Klarna Payments

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About Klarna Payments

General information about Klarna Payments

Klarna offers three different payment methods within the new Klarna KP API via Computop: Invoice and hire purchase (Pay Later & Pay over time) as well as Sofort + secured direct debit (Pay Now). Merchants pass on all the invoice data during the order to the service provider, who then takes over the complete billing and debtor management. That than takes over the complete billing and downstream debtor management. As merchant you get a payment guarantee; no matter what payment method the customer chooses. Thereby your customers get financial flexibility with Klarna, as they can choose themselves between invoice purchase and hire purchase. In the case of purchase by instalment merchants can also specify the instalment amounts and dates of repayment. Merchants can use the billing solution also for their B2B commerce.

Rate payment at the online shop motivates your customers to order high value baskets. This also increases your turnover. Klarna guarantees online consents in seconds for purchases by instalment during the order process. A PostIdent-process is not necessary. Klarna transfers the invoice amount to the merchant and bears the non-payment risk themselves. As merchant you benefit from rapidly available liquidity.

All three payment methods with restrictions of secured direct debit are available in the following countries with their respective domestic currency: Germany, Austria, Netherlands, Danmark, Sweden, Norway, Finland, United Kingdom, USA, Switzerland, Australia, Belgium, Spain, Italy, Ireland, Poland, Portugal, France und Canada.

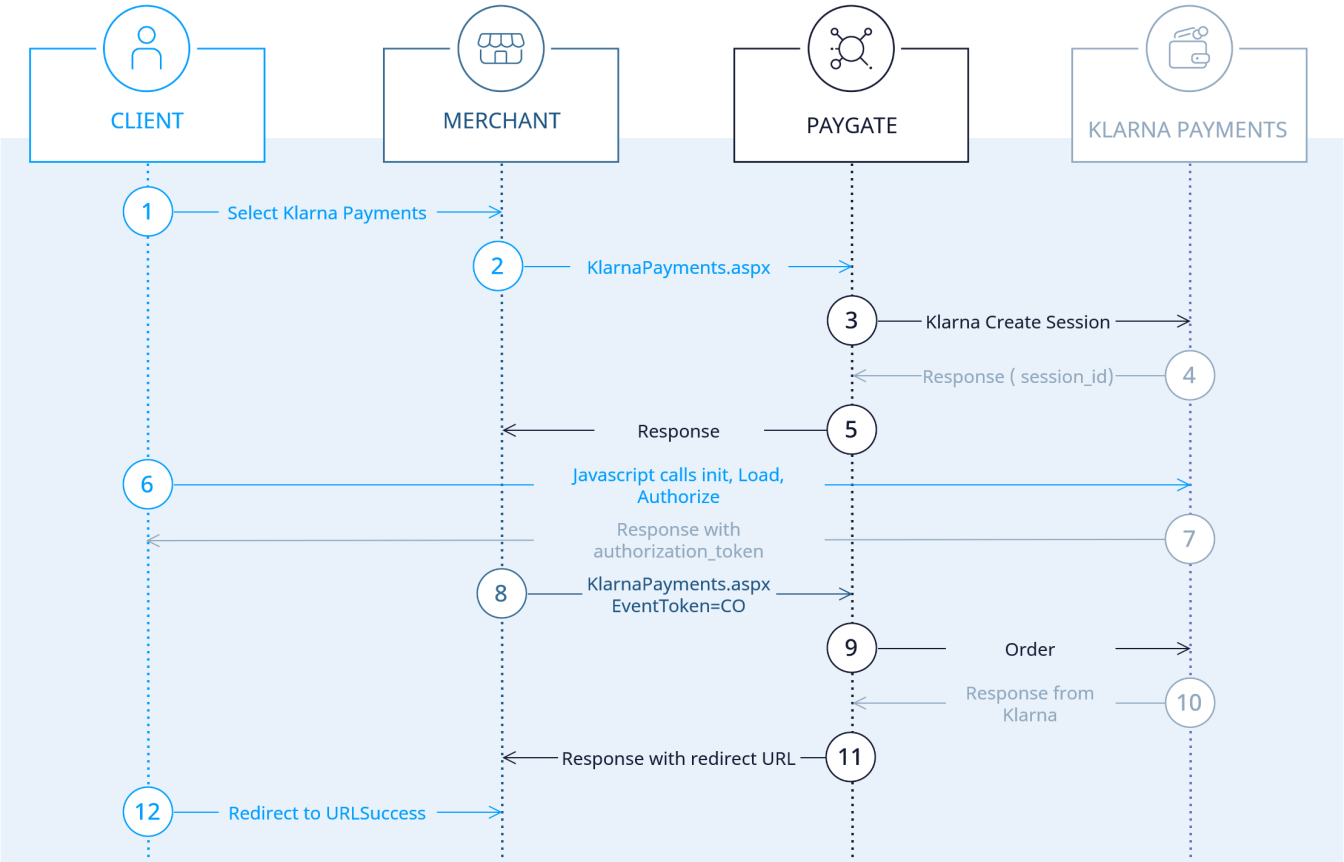
Logo	Klarna.
Info	Paygate can handle purchase on account and financing from Klarna. Merchants benefit from a payment guarantee and short payment due dates. As third possibility Klarna integrated the payment with Sofort transfer and secured direct debit.
Type	Mixed payment methods

Further information can be found on Klarna's website (https://www.klarna.de).

Klarna Payments distinguishes between direct connection and the Klarna Hosted Payment Page (HPP).

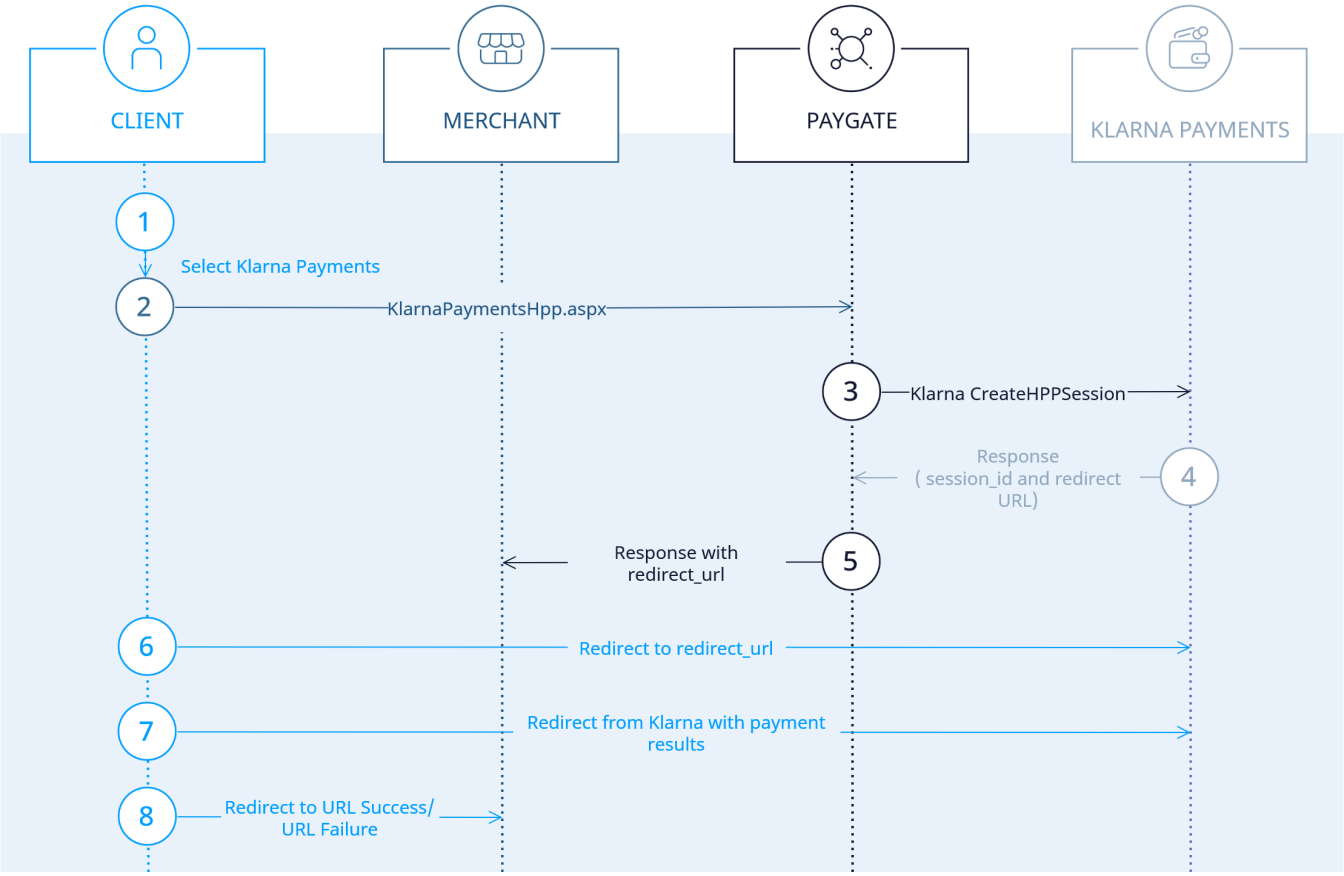
> **Notice about Capture**
>
> Please note that the capture (capture.aspx) has to be done manually in order to process the payment and to initiate the money flow.

Process flow chart direct connection



Process flow Klarna Payments direct connection

Process flow chart HPP



Process flow Klarna Payments HPP

With direct connection a separate JavaScript widget is included for each payment method. With the HPP a complete checkout page will be displayed where all or some selected payment methods are displayed. Widgets as well as the HPP are loaded from a Klarna server.

Paygate interface

Definitions

Data formats

Format	Description
a	alphabetical
as	alphabetical with special characters
n	numeric
an	alphanumeric
ans	alphanumeric with special characters
ns	numeric with special characters
bool	boolean expression (true or false)
3	fixed length with 3 digits/characters
..3	variable length with maximum 3 digits/characters

enum	enumeration of allowed values
dttm	ISODateTime (YYYY-MM-DDThh:mm:ss)

Abbreviations

Abbreviation	Description	Comment
CND	condition	
M	mandatory	If a parameter is mandatory, then it must be present
O	optional	If a parameter is optional, then it can be present, but it is not required
C	conditional	If a parameter is conditional, then there is a conditional rule which specifies whether it is mandatory or optional

Notice: Please note that the names of parameters can be returned in upper or lower case.

Create Klarna session for direct connection

Before Klarna widgets can be loaded a Klarna session must be created which returns an AccessToken. This AccessToken has to be used for loading the widgets. In order to start a Klarna session via server-to-server communication, please use the following URL:

https://www.computop-paygate.com/KlarnaPayments.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).
TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the Computop Helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
bdCountryCode	"billing": {"addressInfo": { "country": { "A2": "..." }}}	a2	M	Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.
bdFirstName	"billing": {"consumer": { "firstName": "..." }}	ans..30	C	First name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
bdLastName	"billing": {"consumer": { "lastName": "..." }}	ans..30	C	Last name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
bdEmail	"billing": {"contactInfo": { "email": "..." }}	ans..80	C	Email address. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Must include @ and domain.
bdCompany	"billing": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as sdCompany.
bdRegion	"billing": {"addressInfo": { "region": "..." }}	ans..40	O	Region
bdTitle	"billing": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	C	Street and street number. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Allowed special characters: -'`",.:;#&/()+@ ºª_ \
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postal code. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	C	Town/city. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.

bdAddressAddition	"billing": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	O	First name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	O	Last name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	O	Email address. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Must include @ and domain.
sdCompany	"shipping": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as bdCompany.
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	ans..40	O	Region
sdTitle	"shipping": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	O	Street and street number. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Allowed special characters: -'`'",.:;#&/()+@ °ºª_ \
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	O	Postal code. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	O	Town/city. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line
Language	"language": "..."	a2	M	Language for displaying the widgets: DE - German, DK - Danish, FI - Finnish, SE - Swedish, NO - Norwegian, NL - Dutsch, FR - French, IT - Italian, EN - English, ES - Spanish, CA - Catalan, PL - Polish
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
IPAddr	"browserInfo": {"ipAddress": "..."}	ans..15	O	IP address of the client in the format IPv4 or IPv6
Account	"payment": {"klarna": { "accountName": "..." }}	ans..12	M	Within Paygate several Klarna user names can be stored on one MerchantID and controlled by the parameter **Account**. By default, please use the value "0", if you have several Klarna accounts, the values must be agreed with Computop Helpdesk.

ArticleList	"order": {"items": "..."}	ans..2048	M	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign must be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge> **Example:** `{ "order_lines": [{ "image_url": "https://www.exampleobjects.com/logo.png", "merchant_data": "", "name": "Battery Power Pack", "product_identifiers": { "brand": "Intel", "category_path": "Electronics Store > Computers & Tablets > Desktops", "global_trade_item-number": "735858293167", "manufacturer_part_number": "BOXNUC5CPYH" }, "product_url": "https://www.estore.com/products/f2a8d7e34", "quantity": 1, "quantity_unit": "kg", "reference": "19-402-USA", "tax_rate": 0, "total_amount": 1000, "total_discount_amount": 0, "total_tax_amount": 0, "type": "physical", "unit_price": 1000 }] }` Afterwards the article list created in JSON format must be Base64 encoded.

EnhancedData	"payment": {"klarna": { "enhancedData": "..." }}	ans..2048	O	Additional customer and order information for Klarna risk management. Merchant must agree with Klarna which data will be transmitted here. This parameter must be created in JSON format. **Example:** `{ "marketplace_seller_info": [ { "product_category": "Women's Fashion", "product_name": "Women Sweatshirt" } ] }` Afterwards the additional information created in JSON format must be Base64 encoded.
Layout	"payment": {"klarna": { "layout": "..." }}	ans..2048	O	Layout parameters for Klarna widgets. This parameter must be created in JSON format. **Example:** `{ "options": { "color_border": "#FF9900", "color_border_selected": "#FF9900", "color_button": "#FF9900", "color_button_text": "#FF9900", "color_checkbox": "#FF9900", "color_checkbox_checkmark": "#FF9900", "color_details": "#FF9900", "color_header": "#FF9900", "color_link": "#FF9900", "color_text": "#FF9900", "color_text_secondary": "#FF9900", "radius_border": "5px" } }` Afterwards the layout parameters created in JSON format must be Base64 encoded.
URLConfirm	"urls": {"confirm": "..."}	ans..256	M	Final URL for order confirmation to which Klarna forwards the customer after the order is successfully created within the Klarna system
URLNotify	"urls": {"notify": "..."}	ans..256	O	Complete URL which Paygate calls up in order to notify the shop about the payment result, if a PENDING transaction was finalized. The URL may be called up only via port 443 It may not contain parameters: Use the **UserData** parameter instead. Processing of PENDING transactions must be activated at Computop as well as Klarna. URLNotify can also be stored with Computop.
PayType	"payment": {"klarna": { "paymentType": "..." }}	as..32	M	Customer selected Klarna payment method. Possible entries are Pay immediately (**pay_now, direct_debit** or **direct_bank_transfer)**, Pay later (**pay_later),** Pay in installments (**pay_over_time)** or One Klarna (**klarna**).
Key		**Format**	**CND**	**Personal details of customer**
DateOfBirth	"billing": {"consumer": { "birthdate": "..." }}	dttm	O	Date of birth in the format YYYY-MM-DD
Gender	"billing": {"consumer": { "gender": "..." }}	a..15	O	Gender <female> for female, <male> for male
Title	"billing": {"consumer": { "salutation": "..." }}	a..12	O	Salutation
SocialSecurityNumber	"billing": {"consumer": { "socialSecurityNumber": "..." }}	a..5	O	Private individuals: The last four or five digits of the social security number. Not in DE, AT and NL. Obligatory field in SE, FI, DK with 4-digit value (NNNN). Obligatory field in NO with 5-digit value (NNNNN).
PersonID	"billing": {"consumer": { "consumerId": "..." }}	ans..15	O	National identity number. Is necessary for example for a visa to entry the USA. For that purpose the serial number on the upper right side of the iodentity card may be used.
LegalForm	"payment": {"klarna": { "legalForm": "..." }}	ans..50	C	Type of company. Mandatory for B2B. Following values are possible: • LIMITED_COMPANY • PUBLIC_LIMITED_COMPANY • ENTREPRENEURIAL_COMPANY • LIMITED_PARTNERSHIP_LIMITED_COMPANY • LIMITED_PARTNERSHIP • GENERAL_PARTNERSHIP • REGISTERED_SOLE_TRADER • SOLE_TRADER • CIVIL_LAW_PARTNERSHIP • PUBLIC_INSTITUTION • OTHER
CompanyID	"billing": {"business": { "companyRegistrationNumber": "..." }}	ans..15	O	For companies: Register of Companies number, only relevant but not mandatory for B2B.
CompanyOrPerson		a2	O	Indication whether it is e company or a person. <C> for companies, <P> for persons Please note that Klarna does not allow B2B transactions by default. Please contact Klarna if you also want to use the payment method for B2B transactions.

VatID	"payment": {"klarna": { "vatId": "..." }}	ans..15	O	VAT identification number, only relevant but not mandatory for B2B.

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the Computop Helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Gesamtbetrag der MwSt. in der kleinsten Währungseinheit (z.B. EUR Cent). Der Betrag darf nicht negativ sein. **Hinweis:** Die enthaltene MwSt. berechnet sich bei 19% mit der Formel =Bruttopreis / 1,19 * 0,19. Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
bdCountryCode	"billing": {"addressInfo": { "country": { "A2": "..." }}}	a2	M	Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Rechnungsadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien (ES), Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.
bdFirstName	"billing": {"consumer": { "firstName": "..." }}	ans..30	C	First name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdLastName	"billing": {"consumer": { "lastName": "..." }}	ans..30	C	Last name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdEmail	"billing": {"contactInfo": { "email": "..." }}	ans..80	C	Email address. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Must include @ and domain.	E-Mail-Adresse. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Muss @ und Domain enthalten.
bdCompany	"billing": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as sdCompany.	Firmenname, Pflichtparameter für B2B, muss identisch sein mit sdCompany.
bdRegion	"billing": {"addressInfo": { "region": "..." }}	ans..40	O	Region	Gebiet

bdTitle	"billing": {"consumer": { "salutation" : "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.	Titel des Kunden oder der Kontaktperson, z.B. Dr. oder Prof.
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	C	Street and street number. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Allowed special characters: -ˊ`'",.:;#&/()+@ °ºª_ \	Straße und Hausnummer. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Erlaubte Sonderzeichen: -ˊ`'",.:;#&/()+@ °ºª_ \
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postal code. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.	Postleitzahl. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden.
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	C	Town/city. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.	Ort. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden.
bdAddressAddition	"billing": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line	Zusätzliche/ergänzende Adresszeile
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Lieferadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien (ES), Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.
sdFirstName	"shipping": {"consumer": { "firstName" : "..." }}	ans..30	O	First name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
sdLastName	"shipping": {"consumer": { "lastName" : "..." }}	ans..30	O	Last name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	O	Email address. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Must include @ and domain.	E-Mail-Adresse. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Muss @ und Domain enthalten.
sdCompany	"shipping": {"business" : { "companyLegalName" : "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as bdCompany.	Firmenname, Pflichtparameter für B2B, muss identisch sein mit bdCompany.
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	ans..40	O	Region	Gebiet
sdTitle	"shipping": {"consumer": { "salutation" : "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.	Titel des Kunden oder der Kontaktperson, z.B. Dr. oder Prof.
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	O	Street and street number. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Allowed special characters: -ˊ`'",.:;#&/()+@ °ºª_ \	Straße und Hausnummer. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Erlaubte Sonderzeichen: -ˊ`'",.:;#&/()+@ °ºª_ \

sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	O	Postal code. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.	Postleitzahl. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden.
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	O	Town/city. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.	Ort. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden.
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line	Zusätzliche/ergänzende Adresszeile
Language	"language": "..."	a2	M	Language for displaying the widgets: DE - German, DK - Danish, FI - Finnish, SE - Swedish, NO - Norwegian, NL - Dutsch, FR - French, IT - Italian, EN - English, ES - Spanish, CA - Catalan, PL - Polish	Sprache, in der die Widgets angezeigt werden sollen: DE - deutsch, DK - dänisch, FI - finnisch, SE - schwedisch, NO - norwegisch, NL - niederländisch, FR - französisch, IT - italienisch, EN - englisch, ES - Spanisch, CA - katalanisch, PL - polnisch

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	REST	Format	CND	Description	Beschreibung
IPAddr	"browserInfo": {"ipAddress": "..."}	ans..15	O	IP address of the client in the format IPv4 or IPv6	IP-Adresse des Clients im Format IPv4 oder IPv6
Account	"payment": {"klarna": { "accountName": "..." }}	ans..12	M	Within Paygate several Klarna user names can be stored on one MerchantID and controlled by the parameter **Account**. By default, please use the value "0", if you have several Klarna accounts, the values must be agreed with Computop Helpdesk.	Im Paygate können mehrere Klarna-Benutzernamen auf einer MerchantID hinterlegt und durch den Parameter **Account** angesteuert werden. Standardmäßig verwenden Sie bitte den Wert "0", bei mehreren Klarna-Accounts stimmen Sie die Werte bitte mit Computop Helpdesk ab.
ArticleList	"order": {"items": "..."}	ans..2048	M	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign must be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory)	Komplette Artikelliste der Bestellung. Dieser Parameter muss im JSON-Format erstellt werden. Die einzelnen Parameter im JSON-Format sind folgende: **name** = Produktname (Pflicht) **quantity** = Artikelmenge. Der Wert darf nicht negativ sein. (Pflicht) **unit_price** = Einzelpreis inkl. Steuern aber exkl. Rabatte. (Pflicht) **total_amount** = Gesamtbetrag der Artikel inkl. Steuern und Rabatte. (Pflicht) **image_url** = URL zu einem Bild, welches später in Absprache mit Klarna eingebettet werden kann. (max. 1024 Zeichen) **merchant_data** = "Durchreich-Parameter" (max. 255 Zeichen). Was hier übermittelt wird, muss mit Klarna abgestimmt werden. **product_identifiers.brand** = Produktmarke **product_identifiers.category_path** = Pfad der Produktkategorie. Als Trennzeichen muss '>' verwendet werden. **product_identifiers.global_trade_item_number** = Artikelnummer (z. B. EAN, ISBN oder UPC). **product_identifiers.manufacturer_part_number** = Herstellernummer **product_url** = URL zum Produktbild **quantity_unit** = Mengeneinheit (z.B. kg) **reference** = Artikelnummer (z.B. SKU) **tax_rate** = Steuersatz in Prozent (z.B. 25%). Das Prozentzeichen muss durch zwei Nullen ersetzt werden, also zum Beispiel 2500. Der Wert darf nicht negativ sein. (Pflicht) **total_discount_amount** = Gesamtbetrag des Rabattes. Der Wert darf nicht negativ sein. **total_tax_amount** = Gesamtbetrag der Steuern. Der Wert darf negativ sein, wenn der type 'discount' ist. (Pflicht) **type** = Typ der Artikelposition. Mögliche Werte sind <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

type = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

Example:

```
{
        "order_lines": [
                {

"image_url": "https://www.
exampleobjects.com/logo.png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics
Store > Computers & Tablets >
Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },

"product_url": "https://www.
estore.com/products/f2a8d7e34",

"quantity": 1,

"quantity_unit": "kg",

"reference": "19-402-USA",

"tax_rate": 0,

"total_amount": 1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",

"unit_price": 1000
                }
        ]
}
```

Afterwards the article list created in JSON format must be Base64 encoded.

Beispiel:

```
{
        "order_lines": [
                {
                        "image_url":
"https://www.exampleobjects.com/logo.
png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics Store >
Computers & Tablets > Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },
                        "product_url":
"https://www.estore.com/products
/f2a8d7e34",
                        "quantity": 1,

"quantity_unit": "kg",
                        "reference":
"19-402-USA",
                        "tax_rate": 0,

"total_amount": 1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",
                        "unit_price":
1000
                }
        ]
}
```

Anschließend muss die im JSON-Format erstellte Artikelliste Base64 encodiert werden.

<table>
<tr>
<td>EnhancedData</td>
<td>"payment": {"klarna": { "enhancedData": "..." }}</td>
<td>ans..2048</td>
<td>O</td>
<td>Additional customer and order information for Klarna risk management. Merchant must agree with Klarna which data will be transmitted here. This parameter must be created in JSON format.

Example:

<pre>{

"marketplace_seller_info": [
{

"product_category": "Women's Fashion",

"product_name": "Women Sweatshirt"
}
]
}</pre>
Afterwards the additional information created in JSON format must be Base64 encoded.</td>
<td>Zusätzliche Kunden- und Bestellinformationen für das Klarna Risikomanagement. Welche Daten hier übermittelt werden, muss mit Klarna vereinbart werden. Dieser Parameter muss im JSON-Format erstellt werden.

Beispiel:

<pre>{
"marketplace_seller_info": [
{

"product_category": "Women's Fashion",

"product_name": "Women Sweatshirt"
}
]
}</pre>
Anschließend müssen die im JSON-Format erstellten Zusatzinformationen Base64 encodiert werden.</td>
</tr>
<tr>
<td>Layout</td>
<td>"payment": {"klarna": { "layout": "..." }}</td>
<td>ans..2048</td>
<td>O</td>
<td>Layout parameters for Klarna widgets. This parameter must be created in JSON format.

Example:

<pre>{
"options": {
"color_border": "#FF9900",

"color_border_selected": "#FF9900",
"color_button": "#FF9900",

"color_button_text": "#FF9900",
"color_checkbox": "#FF9900",

"color_checkbox_checkmark": "#FF9900",
"color_details": "#FF9900",
"color_header": "#FF9900",
"color_link": "#FF9900",
"color_text": "#FF9900",

"color_text_secondary": "#FF9900",
"radius_border": "5px"
}
}</pre>
Afterwards the layout parameters created in JSON format must be Base64 encoded.</td>
<td>Layout-Parameter für die Klarna-Widgets. Dieser Parameter muss im JSON-Format erstellt werden.

Beispiel:

<pre>{
"options": {
"color_border": "#FF9900",

"color_border_selected": "#FF9900",
"color_button": "#FF9900",
"color_button_text": "#FF9900",
"color_checkbox": "#FF9900",

"color_checkbox_checkmark": "#FF9900",
"color_details": "#FF9900",
"color_header": "#FF9900",
"color_link": "#FF9900",
"color_text": "#FF9900",

"color_text_secondary": "#FF9900",
"radius_border": "5px"
}
}</pre>
Anschließend müssen die im JSON-Format erstellten Layout-Parameter Base64 encodiert werden.</td>
</tr>
<tr>
<td>URLConfirm</td>
<td>"urls": {"confirm": "..."}</td>
<td>ans..256</td>
<td>M</td>
<td>Final URL for order confirmation to which Klarna forwards the customer after the order is successfully created within the Klarna system</td>
<td>Finale Bestellbestätigungs-URL, auf die Klarna den Kunden leitet, nachdem die Bestellung im Klarna-System erfolgreich angelegt wurde.</td>
</tr>
<tr>
<td>URLNotify</td>
<td>"urls": {"notify": "..."}</td>
<td>ans..256</td>
<td>O</td>
<td>Complete URL which Paygate calls up in order to notify the shop about the payment result, if a PENDING transaction was finalized. The URL may be called up only via port 443 It may not contain parameters: Use the UserData parameter instead.

Processing of PENDING transactions must be activated at Computop as well as Klarna. URLNotify can also be stored with Computop.</td>
<td>Vollständige URL, die das Paygate aufruft, um den Shop zu benachrichtigen, wenn eine PENDING-Transaktion finalisiert wurde. Die URL darf nur über Port 443 aufgerufen werden. Sie darf keine Parameter enthalten: Nutzen Sie stattdessen den Parameter UserData.

Die Verarbeitung von PENDING-Transaktionen muss sowohl bei Computop also auch bei Klarna freigeschaltet sein. Die URLNotify kann auch bei Computop hinterlegt werden.</td>
</tr>
<tr>
<td>PayType</td>
<td>"payment": {"klarna": { "paymentType": "..." }}</td>
<td>as..32</td>
<td>M</td>
<td>Customer selected Klarna payment method. Possible entries are Pay immediately (pay_now, direct_debit or direct_bank_transfer), Pay later (pay_later), Pay in installments (pay_over_time) or One Klarna (klarna).</td>
<td>Vom Kunden ausgewählte Klarna-Zahlungsart. Mögliche Werte sind Sofort bezahlen (pay_now, direct_debit oder direct_bank_transfer), Später bezahlen (pay_later), In Raten bezahlen (pay_over_time) oder One Klarna (klarna).</td>
</tr>
</table>

Key		Format	CND	Personal details of customer	Personendaten des Kunden
DateOfBirth	"billing": {"consumer": { "birthdate": "..." }}	dttm	O	Date of birth in the format YYYY-MM-DD	Geburtsdatum im Format JJJJ-MM-TT
Gender	"billing": {"consumer": { "gender": "..." }}	a..15	O	Gender <female> for female, <male> for male	Geschlecht <female> für weiblich, <male> für männlich
Title	"billing": {"consumer": { "salutation": "..." }}	a..12	O	Salutation	Anrede
SocialSecurityNumber	"billing": {"consumer": { "socialSecurityNumber": "..." }}	a..5	O	Private individuals: The last four or five digits of the social security number. Not in DE, AT and NL. Obligatory field in SE, FI, DK with 4-digit value (NNNN). Obligatory field in NO with 5-digit value (NNNNN).	Bei Privatpersonen: Die letzten vier bis fünf Stellen der Sozialversicherungsnummer. Nicht in DE, AT und NL. Pflichtfeld in SE, FI, DK mit 4-stelligem Wert (NNNN). Pflichtfeld in NO mit 5-stelligem Wert (NNNNN).
PersonID	"billing": {"consumer": { "consumerId": "..." }}	ans..15	O	National identity number. Is necessary for example for a visa to entry the USA. For that purpose the serial number on the upper right side of the iodentity card may be used.	Nationale Identitätsnummer. Wird zum Beispiel für das Visum für die Einreise in die USA benötigt. Hierfür kann die Seriennummer rechts oben auf dem Personalausweis verwendet werden.
LegalForm	"payment": {"klarna": { "legalForm": "..." }}	ans..50	C	Type of company. Mandatory for B2B. Following values are possible: • LIMITED_COMPANY • PUBLIC_LIMITED_COMPANY • ENTREPRENEURIAL_COMPANY • LIMITED_PARTNERSHIP_LIMITED_COMPANY • LIMITED_PARTNERSHIP • GENERAL_PARTNERSHIP • REGISTERED_SOLE_TRADER • SOLE_TRADER • CIVIL_LAW_PARTNERSHIP • PUBLIC_INSTITUTION • OTHER	Firmentyp. Pflichtparameter für B2B. Folgende Werte sind möglich: • LIMITED_COMPANY • PUBLIC_LIMITED_COMPANY • ENTREPRENEURIAL_COMPANY • LIMITED_PARTNERSHIP_LIMITED_COMPANY • LIMITED_PARTNERSHIP • GENERAL_PARTNERSHIP • REGISTERED_SOLE_TRADER • SOLE_TRADER • CIVIL_LAW_PARTNERSHIP • PUBLIC_INSTITUTION • OTHER
CompanyID	"billing": {"business": { "companyRegistrationNumber": "..." }}	ans..15	O	For companies: Register of Companies number, only relevant but not mandatory for B2B.	Bei Unternehmen: Handelsregisternummer, nur für B2B von Bedeutung, aber kein Pflichtparameter.
CompanyOrPerson		a2	O	Indication whether it is e company or a person. <C> for companies, <P> for persons Please note that Klarna does not allow B2B transactions by default. Please contact Klarna if you also want to use the payment method for B2B transactions.	Angabe, ob es sich um eine Firma oder eine Person handelt. <C> für Firmen, <P> für Personen Bitte beachten Sie, dass seitens Klarna standardmäßig keine B2B-Transaktionen möglich sind. Bitte wenden Sie sich an Klarna, falls Sie die Zahlart auch für B2B-Transaktionen verwenden möchten.
VatID	"payment": {"klarna": { "vatId": "..." }}	ans..15	O	VAT identification number, only relevant but not mandatory for B2B.	Umsatzsteuer-Identifikationsnummer, nur für B2B von Bedeutung, aber kein Pflichtparameter.

Parameters for creating a session with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "AUTHORIZE_REQUEST" "status": "FAILED"	a..50	M	AUTHORIZE_REQUEST (URLSuccess) and FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n1..8	M	Error code according to Paygate Response Codes (A4 Error codes). Code "0": Please make now the authorisation via Klarna widget within the frontend.
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk

ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk
AccessToken	"payment": { "accessToken": "..." }	ans..2048	O	Client token from Klarna. In order to be able to subsequently show the Klarna widgets, the Klarna JavaScript-API must be initialized with this token.
PayType	"payment": { "paymentType": "..." }	enum	O	Customer selected Klarna payment method. Possible entries are Pay immediately (**pay_now, direct_debit** and **direct_bank_transfer)**, Pay later (**pay_later),** Pay in installments (**pay_over_time)** or One Klarna (**klarna**). The returned value determines which widgets are allowed to be loaded.

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "AUTHORIZE_REQUEST" "status": "FAILED"	a..50	M	AUTHORIZE_REQUEST (URLSuccess) and FAILED (URLFailure)	AUTHORIZE_REQUEST (URLSuccess) und FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n1..8	M	Error code according to Paygate Response Codes (A4 Error codes). Code "0": Please make now the authorisation via Klarna widget within the frontend.	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes). Code "0": Führen Sie nun die Autorisierung über das Klarna Widget im Frontend durch.
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen
AccessToken	"payment": { "accessToken": "..." }	ans..2048	O	Client token from Klarna. In order to be able to subsequently show the Klarna widgets, the Klarna JavaScript-API must be initialized with this token.	Client-Token von Klarna. Um anschließend die entsprechenden Klarna-Widgets anzeigen zu können, muss die Klarna JavaScript-API mit diesem Token initialisiert werden.
PayType	"payment": { "paymentType": "..." }	enum	O	Customer selected Klarna payment method. Possible entries are Pay immediately (**pay_now, direct_debit** and **direct_bank_transfer)**, Pay later (**pay_later),** Pay in installments (**pay_over_time)** or One Klarna (**klarna**). The returned value determines which widgets are allowed to be loaded.	Vom Kunden ausgewählte Klarna-Zahlungsart. Mögliche Werte sind Sofort bezahlen (**pay_now, direct_debit** und **direct_bank_transfer**), Später bezahlen (**pay_later**), In Raten bezahlen (**pay_over_time**) oder One Klarna (**klarna**). Der zurückgegebene Wert entscheidet darüber, welche Widgets geladen werden dürfen.

Response parameters for creating a session with Klarna Payments

Show Klarna widgets

Klarna uses widgets in order to show customers the possible payment methods. The available payment methods for selecting depend on the previously selected category (see Create Klarna Session, PayType). The widget integration is done with the AccessToken (see Create Klarna Session, AccessToken) and the Klarna JavaScript SDK. How to integrate and initialise the Klarna JavaScript SDK and how to load the widgets is described on Klarna webpage:

https://docs.klarna.com/klarna-payments/integrate-with-klarna-payments/step-2-check-out/21-display-the-klarna-widget/

After successful authorisation you will get an authorisation token (TokenExt) which has to be used for creating an order.

Create Klarna session for the HPP

In order to process a payment via Klarna HPP, please use the following URL:

https://www.computop-paygate.com/KlarnaPaymentsHPP.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).
TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
RTF	---	a1	O	For repeat payments (subscriptions): **I** = Initial payment of a new subscription, **R** = Routine payment (Recurring). Due to the call of the HPP is always an initial payment of a subscription the value **I** must be transferred.
bdCountryCode	"billing": {"addressInfo": { "country": { "A2": "..." }}}	a2	M	Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.
bdFirstName	"billing": {"consumer": { "firstName": "..." }}	ans..30	M	First name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
bdLastName	"billing": {"consumer": { "lastName": "..." }}	ans..30	M	Last name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
bdEmail	"billing": {"contactInfo": { "email": "..." }}	ans..80	M	Email address. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Must include @ and domain.
bdCompany	"billing": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as sdCompany.
bdRegion	"billing": {"addressInfo": { "region": "..." }}	ans..40	O	Region
bdTitle	"billing": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	M	Street and street number. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Allowed special characters: -'`'",.:;#&/()+@ °ºª_ \
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	M	Postal code. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	M	Town/city. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.
bdAddressAddition	"billing": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	C	First name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.

sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	C	Last name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	C	E-mail address. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Must include @ and domain.
sdCompany	"shipping": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as bdCompany.
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	ans..40	O	Region
sdTitle	"shipping": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	C	Street name and street number. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Allowed special characters: -'`"',.:;#&/()+@ ºª_ \
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postcode. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	C	City. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line
Language	"language": "..."	a2	M	Language for displaying the widgets: DE - German, DK - Danish, FI - Finnish, SE - Swedish, NO - Norwegian, NL - Dutsch, FR - French, IT - Italian, EN - English, ES - Spanish, CA - Catalan, PL - Polish
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
IPAddr	"browserInfo": {"ipAddress": "..."}	ans..15	O	IP address of the client in the format IPv4 or IPv6
Account	"payment": {"klarna": { "accountName": "..." }}	ans..12	M	Within Paygate several Klarna user names can be stored on one MerchantID and controlled by the parameter **Account**. By default, please use the value "0", if you have several Klarna accounts, the values must be agreed with Computop Helpdesk.

ArticleList	"order": {"items": "..."}	ans..2048	M	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign must be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge> **Example:** `{ "order_lines": [{ "image_url": "https://www.exampleobjects.com/logo.png", "merchant_data": "", "name": "Battery Power Pack", "product_identifiers": { "brand": "Intel", "category_path": "Electronics Store > Computers & Tablets > Desktops", "global_trade_item-number": "735858293167", "manufacturer_part_number": "BOXNUC5CPYH" }, "product_url": "https://www.estore.com/products/f2a8d7e34", "quantity": 1, "quantity_unit": "kg", "reference": "19-402-USA", "tax_rate": 0, "total_amount": 1000, "total_discount_amount": 0, "total_tax_amount": 0, "type": "physical", "unit_price": 1000 }] }` Afterwards the article list created in JSON format must be Base64 encoded.

EnhancedData	"payment": {"klarna": { "enhancedData": "..." }}	ans..2048	O	Additional customer and order information for Klarna risk management. Merchant must agree with Klarna which data will be transmitted here. This parameter must be created in JSON format. **Example:** `{ "marketplace_seller_info": [ { "product_category": "Women's Fashion", "product_name": "Women Sweatshirt" } ] }` Afterwards the additional information created in JSON format must be Base64 encoded.
Layout	"payment": {"klarna": { "layout": "..." }}	ans..2048	O	Layout parameters for Klarna HPP. This parameter must be created in JSON format. **Example:** `{ "options": { "payment_method_category": "PAY_LATER", "show_subtotal_detail": "HIDE" } }` Afterwards the layout parameters created in JSON format must be Base64 encoded. Following Klarna parameters are supported: • payment_method_category (controls the payment method to be displayed on the HPP) • payment_method_categories (controls the payment types to be displayed on the HPP) • show_subtotal_detail (hides the item positions on the HPP) • logo_url (controls the logo to be displayed on the HPP) • page_title (controls the title to be displayed on the HPP)
Order	"payment": {"klarnaHpp": { "automaticOrderCreation": "..." }}	ans..6	O	Activates the automatic order creation. If this parameter is used an explicit order creation is not necessary. If a BillingAgreementID for recurring payments should be created, also the parameter RTF=I must be submitted. Only possible value: AUTO If you would like to use the automatic order processing direct through Paygate (request parameter does not have to be sent), please contact the Computop Merchant Service directly (Computop Sales) and our team will store the required setting directly at your account.|
URLSuccess	"urls": {"success": "..."}	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData. **Common notes:** • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.
URLFailure	"urls": {"failure": "..."}	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData. **Common notes:** • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess /URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.
Response	---	a7	O	Status response sent by Paygate to URLSuccess and URLFailure, should be encrypted. For this purpose, transmit Response=encrypt parameter.
URLNotify	"urls": {"notify": "..."}	ans..256	O	Complete URL which Paygate calls up in order to notify the shop about the payment result, if a PENDING transaction was finalized. The URL may be called up only via port 443 It may not contain parameters: Use the **UserData** parameter instead. Processing of PENDING transactions must be activated at Computop as well as Klarna. URLNotify can also be stored with Computop.
Key		**Format**	**CND**	**Personal details of customer**
DateOfBirth	"billing": {"consumer": { "birthdate": "..." }}	dttm	O	Date of birth in the format YYYY-MM-DD
Gender	"billing": {"consumer": { "gender": "..." }}	a..15	O	Gender <female> for female, <male> for male
Title	"billing": {"consumer": { "salutation": "..." }}	a..12	O	Salutation
SocialSecurityNumber	"billing": {"consumer": { "socialSecurityNumber": "..." }}	a..5	O	Private individuals: The last four or five digits of the social security number. Not in DE, AT and NL. Obligatory field in SE, FI, DK with 4-digit value (NNNN). Obligatory field in NO with 5-digit value (NNNNN).
PersonID	"billing": {"consumer": { "consumerId": "..." }}	ans..15	O	National identity number. Is necessary for example for a visa to entry the USA. For that purpose the serial number on the upper right side of the iodentity card may be used.

LegalForm	"payment": {"klarna": { "legalForm": "..." }}	ans..50	C	Type of company. Mandatory for B2B. Following values are possible: • LIMITED_COMPANY • PUBLIC_LIMITED_COMPANY • ENTREPRENEURIAL_COMPANY • LIMITED_PARTNERSHIP_LIMITED_COMPANY • LIMITED_PARTNERSHIP • GENERAL_PARTNERSHIP • REGISTERED_SOLE_TRADER • SOLE_TRADER • CIVIL_LAW_PARTNERSHIP • PUBLIC_INSTITUTION • OTHER
CompanyID	"billing": {"business": { "companyRegistrationNumber": "..." }}	ans..15	O	For companies: Register of Companies number, only relevant but not mandatory for B2B.
CompanyOrPerson		a2	O	Indication whether it is e company or a person. <C> for companies, <P> for persons Please note that Klarna does not allow B2B transactions by default. Please contact Klarna if you also want to use the payment method for B2B transactions.
VatID	"payment": {"klarna": { "vatId": "..." }}	ans..15	O	VAT identification number, only relevant but not mandatory for B2B.

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Gesamtbetrag der MwSt. in der kleinsten Währungseinheit (z.B. EUR Cent). Der Betrag darf nicht negativ sein. **Hinweis:** Die enthaltene MwSt. berechnet sich bei 19% mit der Formel =Bruttopreis / 1,19 * 0,19. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
RTF	---	a1	O	For repeat payments (subscriptions): **I** = Initial payment of a new subscription, **R** = Routine payment (Recurring). Due to the call of the HPP is always an initial payment of a subscription the value **I** must be transferred.	Bei wiederkehrenden Zahlungen (Abos): **I** = Initialzahlung eines neuen Abos, **R** = Wiederkehrende Zahlung (Recurring). Da es sich beim Aufruf der HPP immer um die Initialzahlung eines Abos handelt, muss der Wert **I** übergeben werden.
bdCountryCode	"billing": {"addressInfo": { "country": { "A2": "..." }}}	a2	M	Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Rechnungsadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien (ES), Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.

bdFirstName	"billing": {"consumer": { "firstName": "..." }}	ans..30	M	First name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdLastName	"billing": {"consumer": { "lastName": "..." }}	ans..30	M	Last name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdEmail	"billing": {"contactInfo": { "email": "..." }}	ans..80	M	Email address. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Must include @ and domain.	E-Mail-Adresse. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Muss @ und Domain enthalten.
bdCompany	"billing": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as sdCompany.	Firmenname, Pflichtparameter für B2B, muss identisch sein mit sdCompany.
bdRegion	"billing": {"addressInfo": { "region": "..." }}	ans..40	O	Region	Region
bdTitle	"billing": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.	Titel des Kunden oder der Kontaktperson, z.B. Dr. oder Prof.
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	M	Street and street number. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Allowed special characters: -'´`",.:;#&/()+@ ºª_ \	Straße und Hausnummer. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Erlaubte Sonderzeichen: -'´`",.:;#&/()+@ ºª_ \
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	M	Postal code. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.	Postleitzahl. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden.
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	M	Town/city. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.	Ort. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden.
bdAddressAddition	"billing": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line	Zusätzliche/ergänzende Adresszeile
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Lieferadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien (ES), Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	C	First name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	C	Last name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.

sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	C	E-mail address. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Must include @ and domain.	E-Mail-Adresse. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Muss @ und Domain enthalten.
sdCompany	"shipping": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as bdCompany.	Firmenname, Pflichtparameter für B2B, muss identisch sein mit bdCompany.
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	ans..40	O	Region	Gebiet
sdTitle	"shipping": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.	Titel des Kunden oder der Kontaktperson, z.B. Dr. oder Prof.
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	C	Street name and street number. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Allowed special characters: -ʻ`'",.:;#&/()+@ °ºª_ \	Straße und Hausnummer. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Erlaubte Sonderzeichen: -ʻ`'",.:;#&/()+@ °ºª_ \
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postcode. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.	Postleitzahl. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden.
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	C	City. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.	Ort. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden.
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line	Zusätzliche/ergänzende Adresszeile
Language	"language": "..."	a2	M	Language for displaying the widgets: DE - German, DK - Danish, FI - Finnish, SE - Swedish, NO - Norwegian, NL - Dutsch, FR - French, IT - Italian, EN - English, ES - Spanish, CA - Catalan, PL - Polish	Sprache, in der die Widgets angezeigt werden sollen: DE - deutsch, DK - dänisch, FI - finnisch, SE - schwedisch, NO - norwegisch, NL - niederländisch, FR - französisch, IT - italienisch, EN - englisch, ES - Spanisch, CA - katalanisch, PL - polnisch

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	REST	Format	CND	Description	Beschreibung
IPAddr	"browserInfo": {"ipAddress": "..."}	ans..15	O	IP address of the client in the format IPv4 or IPv6	IP-Adresse des Clients im Format IPv4 oder IPv6
Account	"payment": {"klarna": { "accountName": "..." }}	ans..12	M	Within Paygate several Klarna user names can be stored on one MerchantID and controlled by the parameter **Account**. By default, please use the value "0", if you have several Klarna accounts, the values must be agreed with Computop Helpdesk.	Im Paygate können mehrere Klarna-Benutzernamen auf einer MerchantID hinterlegt und durch den Parameter **Account** angesteuert werden. Standardmäßig verwenden Sie bitte den Wert "0", bei mehreren Klarna-Accounts stimmen Sie die Werte bitte mit Computop Helpdesk ab.
ArticleList	"order": {"items": "..."}	ans..2048	M	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory)	Komplette Artikelliste der Bestellung. Dieser Parameter muss im JSON-Format erstellt werden. Die einzelnen Parameter im JSON-Format sind folgende: **name** = Produktname (Pflicht) **quantity** = Artikelmenge. Der Wert darf nicht negativ sein. (Pflicht) **unit_price** = Einzelpreis inkl. Steuern aber exkl. Rabatte. (Pflicht)

unit_price = unit price inclusive taxes but without rebates. (mandatory)

total_amount = total amount of iarticles inclusive taxes and rebates. (mandatory)

image_url = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters)

merchant_data = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here.

product_identifiers.brand = product brand

product_identifiers.category_path = path of product category. As separator '>' has to be used.

product_identifiers.global_trade_item_number = article number (e.g. EAN, ISBN or UPC).

product_identifiers.manufacturer_part_number = manufacturer's number

product_url = URL to product image

quantity_unit = unit of quantity (e.g. kg)

reference = article number (e.g. SKU)

tax_rate = tax rate as percentage (e.g. 25%). The percent sign must be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory)

total_discount_amount = total amount of rebate. The value may not be negative.

total_tax_amount = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory)

type = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

total_amount = Gesamtbetrag der Artikel inkl. Steuern und Rabatte. (Pflicht)

image_url = URL zu einem Bild, welches später in Absprache mit Klarna eingebettet werden kann. (max. 1024 Zeichen)

merchant_data = "Durchreich-Parameter" (max. 255 Zeichen). Was hier übermittelt wird, muss mit Klarna abgestimmt werden.

product_identifiers.brand = Produktmarke

product_identifiers.category_path = Pfad der Produktkategorie. Als Trennzeichen muss '>' verwendet werden.

product_identifiers.global_trade_item_number = Artikelnummer (z.B. EAN, ISBN oder UPC).

product_identifiers.manufacturer_part_number = Herstellernummer

product_url = URL zum Produktbild

quantity_unit = Mengeneinheit (z.B. kg)

reference = Artikelnummer (z.B. SKU)

tax_rate = Steuersatz in Prozent (z.B. 25%). Das Prozentzeichen muss durch zwei Nullen ersetzt werden, also zum Beispiel 2500. Der Wert darf nicht negativ sein. (Pflicht)

total_discount_amount = Gesamtbetrag des Rabattes. Der Wert darf nicht negativ sein.

total_tax_amount = Gesamtbetrag der Steuern. Der Wert darf negativ sein, wenn der type 'discount' ist. (Pflicht)

type = Typ der Artikelposition. Mögliche Werte sind <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

Example:

```
{
        "order_lines": [
                {

"image_url": "https://www.
exampleobjects.com/logo.png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics
Store > Computers & Tablets >
Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },

"product_url": "https://www.estore.
com/products/f2a8d7e34",

"quantity": 1,

"quantity_unit": "kg",

"reference": "19-402-USA",

"tax_rate": 0,

"total_amount": 1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",

"unit_price": 1000
                }
        ]
}
```

Afterwards the article list created in JSON format must be Base64 encoded.

Beispiel:

```
{
        "order_lines": [
                {
                        "image_url":
"https://www.exampleobjects.com/logo.
png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics Store >
Computers & Tablets > Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },
                        "product_url":
"https://www.estore.com/products
/f2a8d7e34",
                        "quantity": 1,

"quantity_unit": "kg",
                        "reference":
"19-402-USA",
                        "tax_rate": 0,
                        "total_amount":
1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",
                        "unit_price":
1000
                }
        ]
}
```

Anschließend muss die im JSON-Format erstellte Artikelliste Base64 encodiert werden.

EnhancedData	"payment": {"klarna": { "enhancedData": "..." }}	ans..2048	O	Additional customer and order information for Klarna risk management. Merchant must agree with Klarna which data will be transmitted here. This parameter must be created in JSON format. **Example:** `{ "marketplace_seller_info": [ { "product_category": "Women's Fashion", "product_name": "Women Sweatshirt" } ] }` Afterwards the additional information created in JSON format must be Base64 encoded.	Zusätzliche Kunden- und Bestellinformationen für das Klarna Risikomanagement. Welche Daten hier übermittelt werden, muss mit Klarna vereinbart werden. Dieser Parameter muss im JSON-Format erstellt werden. **Beispiel:** `{ "marketplace_seller_info": [ { "product_category": "Women's Fashion", "product_name": "Women Sweatshirt" } ] }` Anschließend müssen die im JSON-Format erstellten Zusatzinformationen Base64 encodiert werden.
Layout	"payment": {"klarna": { "layout": "..." }}	ans..2048	O	Layout parameters for Klarna HPP. This parameter must be created in JSON format. **Example:** `{ "options": { "payment_method_category": "PAY_LATER", "show_subtotal_detail": "HIDE" } }` Afterwards the layout parameters created in JSON format must be Base64 encoded. Following Klarna parameters are supported: • payment_method_category (controls the payment method to be displayed on the HPP) • payment_method_categories (controls the payment types to be displayed on the HPP) • show_subtotal_detail (hides the item positions on the HPP) • logo_url (controls the logo to be displayed on the HPP) • page_title (controls the title to be displayed on the HPP)	Layout-Parameter für die Klarna-HPP. Dieser Parameter muss im JSON-Format erstellt werden. **Beispiel:** `{ "options": { "payment_method_category": "PAY_LATER", "show_subtotal_detail": "HIDE" } }` Anschließend müssen die im JSON-Format erstellten Layout-Parameter Base64 encodiert werden. Folgende Klarna-Parameter werden unterstützt: • payment_method_category (steuert die auf der HPP anzuzeigende Zahlungsart) • payment_method_categories (steuert die auf der HPP anzuzeigenden Zahlungsarten) • show_subtotal_detail (blendet die Artikelpositionen auf der HPP aus) • logo_url (steuert das auf der HPP anzuzeigende Logo) • page_title (steuert den auf der HPP anzuzeigenden Titel)
Order	"payment": {"klarnaHpp": { "automaticOrderCreation": "..." }}	ans..6	O	Activates the automatic order creation. If this parameter is used an explicit order creation is not necessary. If a BillingAgreementID for recurring payments should be created, also the parameter RTF=I must be submitted. Only possible value: AUTO If you would like to use the automatic order processing direct through Paygate (request parameter does not have to be sent), please contact the Computop Merchant Service directly (Computop Sales) and our team will store the required setting directly at your account.|	Aktiviert die automatische Auftragsanlage. Wird dieser Parameter benutzt, muß keine explizite Auftragsanlage mehr erfolgen. Wenn auch eine BillingAgreementID für wiederkehrende Zahlungen erzeugt werden soll, muß auch der Parameter RTF=I mitgesendet werden. Einziger möglicher Wert: AUTO. Möchten Sie das automatische Order processing direkt durch das Paygate nutzen (Request-Parameter muss nicht gesendet werden), wenden Sie sich bitte direkt an den Computop Merchant Service (Computop Vertrieb) und unser Team wird für Sie die benötigte Einstellung direkt am Account hinterlegen.

Key	REST	Format	CND	Description	Beschreibung
URLSuccess	"urls": {"success": "..."}	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData. **Common notes:** • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygate aufruft, wenn die Zahlung erfolgreich war. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData. **Allgemeine Hinweise:** • Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten • Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

Key	REST	Format	CND	Description	Beschreibung

URLFailure	"urls": {"failure": "..."}	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData. **Common notes:** • We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate • However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.	Vollständige URL, die das Paygateaufruft, wenn die Zahlung gescheitert ist. Die URL darf nur über Port 443 aufgerufen werden. Diese URL darf keine Parameter enthalten: Um Parameter durchzureichen nutzen Sie stattdessen den Parameter UserData. **Allgemeine Hinweise:** • Wir empfehlen, den Parameter "response=encrypt" zu verwenden, um eine verschlüsselte Antwort von Paygate zu erhalten • Betrüger könnten das verschlüsselte DATA-Element kopieren, welches an URLFailure gesendet wurde, und betrügerisch dasselbe DATA an URLSuccess/URLNotify senden. Überprüfen Sie daher unbedingt den "code"-Wert des DATA-Elements. Nur eine Antwort mit "code=00000000" sollte als erfolgreich angesehen werden.

Key	REST	Format	CND	Description	Beschreibung
Response	---	a7	O	Status response sent by Paygate to URLSuccess and URLFailure, should be encrypted. For this purpose, transmit Response=encrypt parameter.	Die Status-Rückmeldung, die das Paygate an URLSuccess und URLFailure sendet, sollte verschlüsselt werden. Dazu übergeben Sie den Parameter Response=encrypt.

Key	REST	Format	CND	Description	Beschreibung
URLNotify	"urls": {"notify": "..."}	ans..256	O	Complete URL which Paygate calls up in order to notify the shop about the payment result, if a PENDING transaction was finalized. The URL may be called up only via port 443 It may not contain parameters: Use the **UserData** parameter instead. Processing of PENDING transactions must be activated at Computop as well as Klarna. URLNotify can also be stored with Computop.	Vollständige URL, die das Paygate aufruft, um den Shop zu benachrichtigen, wenn eine PENDING-Transaktion finalisiert wurde. Die URL darf nur über Port 443 aufgerufen werden. Sie darf keine Parameter enthalten: Nutzen Sie stattdessen den Parameter **UserData**. Die Verarbeitung von PENDING-Transaktionen muss sowohl bei Computop also auch bei Klarna freigeschaltet sein. Die URLNotify kann auch bei Computop hinterlegt werden.
Key		**Format**	**CND**	**Personal details of customer**	**Personendaten des Kunden**
DateOfBirth	"billing": {"consumer": { "birthdate": "..." }}	dttm	O	Date of birth in the format YYYY-MM-DD	Geburtsdatum im Format JJJJ-MM-TT
Gender	"billing": {"consumer": { "gender": "..." }}	a..15	O	Gender <female> for female, <male> for male	Geschlecht <female> für weiblich, <male> für männlich
Title	"billing": {"consumer": { "salutation": "..." }}	a..12	O	Salutation	Anrede
SocialSecurityNumber	"billing": {"consumer": { "socialSecurityNumber": "..." }}	a..5	O	Private individuals: The last four or five digits of the social security number. Not in DE, AT and NL. Obligatory field in SE, FI, DK with 4-digit value (NNNN). Obligatory field in NO with 5-digit value (NNNNN).	Bei Privatpersonen: Die letzten vier bis fünf Stellen der Sozialversicherungsnummer. Nicht in DE, AT und NL. Pflichtfeld in SE, FI, DK mit 4-stelligem Wert (NNNN). Pflichtfeld in NO mit 5-stelligem Wert (NNNNN).
PersonID	"billing": {"consumer": { "consumerId": "..." }}	ans..15	O	National identity number. Is necessary for example for a visa to entry the USA. For that purpose the serial number on the upper right side of the iodentity card may be used.	Nationale Identitätsnummer. Wird zum Beispiel für das Visum für die Einreise in die USA benötigt. Hierfür kann die Seriennummer rechts oben auf dem Personalausweis verwendet werden.
LegalForm	"payment": {"klarna": { "legalForm": "..." }}	ans..50	C	Type of company. Mandatory for B2B. Following values are possible: • LIMITED_COMPANY • PUBLIC_LIMITED_COMPANY • ENTREPRENEURIAL_COMPANY • LIMITED_PARTNERSHIP_LIMITED_COMPANY • LIMITED_PARTNERSHIP • GENERAL_PARTNERSHIP • REGISTERED_SOLE_TRADER • SOLE_TRADER • CIVIL_LAW_PARTNERSHIP • PUBLIC_INSTITUTION • OTHER	Firmentyp. Pflichtparameter für B2B. Folgende Werte sind möglich: • LIMITED_COMPANY • PUBLIC_LIMITED_COMPANY • ENTREPRENEURIAL_COMPANY • LIMITED_PARTNERSHIP_LIMITED_COMPANY • LIMITED_PARTNERSHIP • GENERAL_PARTNERSHIP • REGISTERED_SOLE_TRADER • SOLE_TRADER • CIVIL_LAW_PARTNERSHIP • PUBLIC_INSTITUTION • OTHER

CompanyID	"billing": {"business": { "companyRegistrationNumber": "..." }}	ans..15	O	For companies: Register of Companies number, only relevant but not mandatory for B2B.	Bei Unternehmen: Handelsregisternummer, nur für B2B von Bedeutung, aber kein Pflichtparameter.
CompanyOrPerson		a2	O	Indication whether it is e company or a person. <C> for companies, <P> for persons Please note that Klarna does not allow B2B transactions by default. Please contact Klarna if you also want to use the payment method for B2B transactions.	Angabe, ob es sich um eine Firma oder eine Person handelt. <C> für Firmen, <P> für Personen Bitte beachten Sie, dass seitens Klarna standardmäßig keine B2B-Transaktionen möglich sind. Bitte wenden Sie sich an Klarna, falls Sie die Zahlart auch für B2B-Transaktionen verwenden möchten.
VatID	"payment": {"klarna": { "vatId": "..." }}	ans..15	O	VAT identification number, only relevant but not mandatory for B2B.	Umsatzsteuer-Identifikationsnummer, nur für B2B von Bedeutung, aber kein Pflichtparameter.

Parameters for calling the Klarna HPP

In case of using REST API

In case of using REST API you will always receive a link where the merchant has to redirect the consumer to complete the payment.

REST	Format	CND	Description
"paymentId": "..."	an32	M	May be "00000000000000000000000000000000" if not yet set by Computop Paygate
"_Links.self.type": "..."	an..20	M	"application/json"
"_Links.redirect.href": "..."	an..1024	M	Merchant needs to redirect consumer to this URL to complete payment
"_Links.redirect.type": "..."	an..20	M	"text/html"

Merchant can use inquire.aspx

In case of using Key-Value-Pair API

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	Format	CND	Description
mid	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	ns..30	O	Merchant's unique reference number
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	n1..8	M	Error code according to Paygate Response Codes (A4 Error codes). Code "0": Please make now the authorisation via Klarna widget within the frontend.
BillingAgreementID	ans..50	O	Token-ID (Consumer Token) from Klarna which must be additionally transferred for recurring payments. The value is returned only if request was made with **RTF=I**.
CodeExt	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk
TokenExt	ans..36	M	Authorisation token which is needed for creating an order

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	Format	CND	Description	Beschreibung
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
Description	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	Format	CND	Description	Beschreibung
Code	n1..8	M	Error code according to Paygate Response Codes (A4 Error codes). Code "0": Please make now the authorisation via Klarna widget within the frontend.	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes). Code "0": Führen Sie nun die Autorisierung über das Klarna Widget im Frontend durch.
BillingAgreementID	ans..50	O	Token-ID (Consumer Token) from Klarna which must be additionally transferred for recurring payments. The value is returned only if request was made with **RTF=I**.	Token-ID (Consumer Token) von Klarna, welche bei wiederkehrenden Zahlungen (Recurring) mitgesendet werden muss. Der Wert wird nur zurückgegeben, wenn der Aufruf mit **RTF=I** erfolgt ist.
CodeExt	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen
TokenExt	ans..36	M	Authorisation token which is needed for creating an order	Autorisierungs-Token, der für die Auftragsanlage benötigt wird

Result parameters for URLNotify, URLSuccess and URLFailure

Create order with Klarna

In order to create the order within Klarna system via a server-to-server connection, please use the following URL:

https://www.computop-paygate.com/KlarnaPayments.aspx

If this is an initial order if a recurring order (RTF=I), then only the billing address can be submitted, not the delivery adress.

If the address data differs from the address data transferred from the JavaScript widget during authorization, the order will be rejected.

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).
TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
TokenExt		ans..36	M	Authorisation token which is returned from Klarna within JavaScript Authorize-Call. Please note, the authorization token from the previous step is valid for 60 minutes. If you attempt to place an order with this after that time has passed, it will be rejected by Klarna.
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For creating a Klarna order the value **CNO** must be transferred.
RTF	---	a1	O	For repeat payments (subscriptions): **I** = Initial payment of a new subscription, **R** = Routine payment (Recurring). If this is an initial payment of a subscription the value **I** must be transferred.
Request Reason		a..20	O	Intended usage of „Consumer Token". Possible value is **SUBSCRIPTION**.
Note		ans..50	O	Description for the purpose of token (e.g. **Abo**)

<table>
<tr>
<td>ArticleList</td>
<td>"order": {"items": "..."}</td>
<td>ans..2048</td>
<td>M</td>
<td>Complete article list of the order. This parameter must be created in JSON format.

The individual parameters in JSON format are following:

name = Product name (mandatory)

quantity = item quantity. The value may not be negative. (mandatory)

unit_price = unit price inclusive taxes but without rebates. (mandatory)

total_amount = total amount of iarticles inclusive taxes and rebates. (mandatory)

image_url = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters)

merchant_data = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here.

product_identifiers.brand = product brand

product_identifiers.category_path = path of product category. As separator '>' has to be used.

product_identifiers.global_trade_item_number = article number (e.g. EAN, ISBN or UPC).

product_identifiers.manufacturer_part_number = manufacturer's number

product_url = URL to product image

quantity_unit = unit of quantity (e.g. kg)

reference = article number (e.g. SKU)

tax_rate = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory)

total_discount_amount = total amount of rebate. The value may not be negative.

total_tax_amount = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory)

type = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

Example:

<pre>{
    "order_lines": [
        {
            "image_url": "https://www.exampleobjects.com/logo.png",
            "merchant_data": "",
            "name": "Battery Power Pack",
            "product_identifiers": {
                "brand": "Intel",
                "category_path": "Electronics Store > Computers &
Tablets > Desktops",
                "global_trade_item-number": "735858293167",
                "manufacturer_part_number": "BOXNUC5CPYH"
            },
            "product_url": "https://www.estore.com/products
/f2a8d7e34",
            "quantity": 1,
            "quantity_unit": "kg",
            "reference": "19-402-USA",
            "tax_rate": 0,
            "total_amount": 1000,
            "total_discount_amount": 0,
            "total_tax_amount": 0,
            "type": "physical",
            "unit_price": 1000
        }
    ]
}</pre>
Afterwards the article list created in JSON format must be Base64 encoded.</td>
</tr>
<tr>
<td>bdCountryCode</td>
<td>"billing": {"addressInfo": { "country": { "A2": "..." }}}</td>
<td>a2</td>
<td>M</td>
<td>Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.</td>
</tr>
<tr>
<td>bdFirstName</td>
<td>"billing": {"consumer": { "firstName": "..." }}</td>
<td>ans..30</td>
<td>C</td>
<td>First name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.

Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.</td>
</tr>
<tr>
<td>bdLastName</td>
<td>"billing": {"consumer": { "lastName": "..." }}</td>
<td>ans..30</td>
<td>C</td>
<td>Last name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.

Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.</td>
</tr>
<tr>
<td>bdEmail</td>
<td>"billing": {"contactInfo": { "email": "..." }}</td>
<td>ans..80</td>
<td>C</td>
<td>Email address. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.

Must include @ and domain.</td>
</tr>
<tr>
<td>bdCompany</td>
<td>"billing": {"business": { "companyLegalName": "..." }}</td>
<td>ans..200</td>
<td>C</td>
<td>Company name, mandatory for B2B, must be the same as sdCompany.</td>
</tr>
</table>

bdRegion	"billing": {"addressInfo": { "region": "..." }}	ans..40	O	Region
bdTitle	"billing": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	C	Street name and street number. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Allowed special characters: -'`"',.:;#&/()+@ ºª_ \
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postcode. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	C	City. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.
bdAddressAddition	"billing": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	C	First name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	C	Last name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	C	Email address. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Must include @ and domain.
sdCompany	"shipping": {"business": { "companyLegalName": "..." }}	ans..200	C	Conpany name, mandatory for B2B, must be the same as bdCompany.
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	ans..40	O	Region
sdTitle	"shipping": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	C	Street name and street number. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Allowed special characters: -'`"',.:;#&/()+@ ºª_ \
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postcode. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	C	City. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2": "..." }}	ans..60	O	Additional/supplementary address line

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung

TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Gesamtbetrag der MwSt. in der kleinsten Währungseinheit (z.B. EUR Cent). Der Betrag darf nicht negativ sein. **Hinweis:** Die enthaltene MwSt. berechnet sich bei 19% mit der Formel =Bruttopreis / 1,19 * 0,19. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
TokenExt		ans..36	M	Authorisation token which is returned from Klarna within JavaScript Authorize-Call. Please note, the authorization token from the previous step is valid for 60 minutes. If you attempt to place an order with this after that time has passed, it will be rejected by Klarna.	Autorisierungs-Token, welchen Klarna im JavaScript Authorize-Call zurückgibt. Bitte beachten Sie, der erhaltene Authorization-Token eine Gültigkeit von 60 Minuten hat. Wird dieser > 60min. gesendet, wird die Anfrage seitens Klarna abgelehnt.
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For creating a Klarna order the value **CNO** must be transferred.	Definiert welcher Klarna API-Call Request angestoßen wird. Beim Anlegen der Klarna Bestellung muss der Wert **CNO** übergeben werden.
RTF	---	a1	O	For repeat payments (subscriptions): **I** = Initial payment of a new subscription, **R** = Routine payment (Recurring). If this is an initial payment of a subscription the value **I** must be transferred.	Bei wiederkehrenden Zahlungen (Abos): **I** = Initialzahlung eines neuen Abos, **R** = Wiederkehrende Zahlung (Recurring). Wenn es sich um die Initialzahlung eines Abos handelt, muss der Wert **I** übergeben werden.
Request Reason		a..20	O	Intended usage of „Consumer Token“. Possible value is **SUBSCRIPTION**.	Beabsichtigte Nutzung des „Consumer Tokens“. Möglicher Wert ist **SUBSCRIPTION**.
Note		ans..50	O	Description for the purpose of token (e.g. **Abo**)	Beschreibung für den Zweck des Tokens (z.B. **Abo**)
ArticleList	"order": {"items": "..."}	ans..2048	M	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>	Komplette Artikelliste der Bestellung. Dieser Parameter muss im JSON-Format erstellt werden. Die einzelnen Parameter im JSON-Format sind folgende: **name** = Produktname (Pflicht) **quantity** = Artikelmenge. Der Wert darf nicht negativ sein. (Pflicht) **unit_price** = Einzelpreis inkl. Steuern aber exkl. Rabatte. (Pflicht) **total_amount** = Gesamtbetrag der Artikel inkl. Steuern und Rabatte. (Pflicht) **image_url** = URL zu einem Bild, welches später in Absprache mit Klarna eingebettet werden kann. (max. 1024 Zeichen) **merchant_data** = "Durchreich-Parameter" (max. 255 Zeichen). Was hier übermittelt wird, muss mit Klarna abgestimmt werden. **product_identifiers.brand** = Produktmarke **product_identifiers.category_path** = Pfad der Produktkategorie. Als Trennzeichen muss '>' verwendet werden. **product_identifiers.global_trade_item_number** = Artikelnummer (z.B. EAN, ISBN oder UPC). **product_identifiers.manufacturer_part_number** = Herstellernummer **product_url** = URL zum Produktbild **quantity_unit** = Mengeneinheit (z.B. kg) **reference** = Artikelnummer (z.B. SKU) **tax_rate** = Steuersatz in Prozent (z.B. 25%). Das Prozentzeichen muss durch zwei Nullen ersetzt werden, also zum Beispiel 2500. Der Wert darf nicht negativ sein. (Pflicht) **total_discount_amount** = Gesamtbetrag des Rabattes. Der Wert darf nicht negativ sein. **total_tax_amount** = Gesamtbetrag der Steuern. Der Wert darf negativ sein, wenn der type 'discount' ist. (Pflicht) **type** = Typ der Artikelposition. Mögliche Werte sind <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

				Example:
				{
				"order_lines": [
				{
				"image_url": "https://www.exampleobjects.com/logo.png",
				"merchant_data": "",
				"name": "Battery Power Pack",
				"product_identifiers": {
				"brand": "Intel",
				"category_path": "Electronics Store > Computers & Tablets > Desktops",
				"global_trade_item-number": "735858293167",
				"manufacturer_part_number": "BOXNUC5CPYH"
				},
				"product_url": "https://www.estore.com/products/f2a8d7e34",
				"quantity": 1,
				"quantity_unit": "kg",
				"reference": "19-402-USA",
				"tax_rate": 0,
				"total_amount": 1000,
				"total_discount_amount": 0,
				"total_tax_amount": 0,
				"type": "physical",
				"unit_price": 1000
				}
				]
				}
				Afterwards the article list created in JSON format must be Base64 encoded.
					Beispiel:
					{
					"order_lines": [
					{
					"image_url": "https://www.exampleobjects.com/logo.png",
					"merchant_data": "",
					"name": "Battery Power Pack",
					"product_identifiers": {
					"brand": "Intel",
					"category_path": "Electronics Store > Computers & Tablets > Desktops",
					"global_trade_item-number": "735858293167",
					"manufacturer_part_number": "BOXNUC5CPYH"
					},
					"product_url": "https://www.estore.com/products/f2a8d7e34",
					"quantity": 1,
					"quantity_unit": "kg",
					"reference": "19-402-USA",
					"tax_rate": 0,
					"total_amount": 1000,
					"total_discount_amount": 0,
					"total_tax_amount": 0,
					"type": "physical",
					"unit_price": 1000
					}
					]
					}
					Anschließend muss die im JSON-Format erstellte Artikelliste Base64 encodiert werden.

bdCountryCode	"billing": {"addressInfo": { "country": { "A2": "..." }}}	a2	M	Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Rechnungsadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien (ES), Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.
bdFirstName	"billing": {"consumer": { "firstName": "..." }}	ans..30	C	First name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdLastName	"billing": {"consumer": { "lastName": "..." }}	ans..30	C	Last name. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdEmail	"billing": {"contactInfo": { "email": "..." }}	ans..80	C	Email address. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Must include @ and domain.	E-Mail-Adresse. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Muss @ und Domain enthalten.

bdCompany	"billing": {"business": { "companyLegalName": "..." }}	ans..200	C	Company name, mandatory for B2B, must be the same as sdCompany.	Firmenname, Pflichtparameter für B2B, muss identisch sein mit sdCompany.
bdRegion	"billing": {"addressInfo": { "region": "..." }}	ans..40	O	Region	Gebiet
bdTitle	"billing": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.	Titel des Kunden oder der Kontaktperson, z.B. Dr. oder Prof.
bdStreet	"billing": {"addressInfo": { "addressLine1" : {"street+streetNumber": "..." }}}	a..32	C	Street name and street number. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted. Allowed special characters: -ˊ`",.:;#&/()+@ °ºª_ \	Straße und Hausnummer. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden. Erlaubte Sonderzeichen: -ˊ`",.:;#&/()+@ °ºª_ \
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postcode. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.	Postleitzahl. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden.
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	C	City. Optional – if submitted, all parameters bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity must be submitted.	Ort. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden.
bdAddressAddition	"billing": {"addressInfo": { "addressLine2" : "..." }}	ans..60	O	Additional/supplementary address line	Ort. Optional – wenn angegeben, müssen alle Parameter bdFirstName, bdLastName, bdEmail, bdStreet, bdZip, bdCity übergeben werden.
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland (CH), Australia (AU), Belgium <BE>, Spain (ES), Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Lieferadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien <ES>, Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	C	First name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	C	Last name. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	C	Email address. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Must include @ and domain.	E-Mail-Adresse. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Muss @ und Domain enthalten.
sdCompany	"shipping": {"business": { "companyLegalName": "..." }}	ans..200	C	Conpany name, mandatory for B2B, must be the same as bdCompany.	Firmenname, Pflichtparameter für B2B, muss identisch sein mit bdCompany.
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	ans..40	O	Region	Gebiet
sdTitle	"shipping": {"consumer": { "salutation": "..." }}	ans..20	O	Title of customer or contact person, e.g. Dr. or Prof.	Titel des Kunden oder der Kontaktperson, z.B. Dr. oder Prof.
sdStreet	"shipping": {"addressInfo": { "addressLine1" : {"street+streetNumber": "..." }}}	a..32	C	Street name and street number. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted. Allowed special characters: -ˊ`",.:;#&/()+@ °ºª_ \	Straße und Hausnummer. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden. Erlaubte Sonderzeichen: -ˊ`",.:;#&/()+@ °ºª_ \
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	C	Postcode. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.	Postleitzahl. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden.
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	C	City. Optional – if submitted, all parameters sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity must be submitted.	Ort. Optional – wenn angegeben, müssen alle Parameter sdFirstName, sdLastName, sdEmail, sdStreet, sdZip, sdCity übergeben werden.
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2" : "..." }}	ans..60	O	Additional/supplementary address line	Zusätzliche/ergänzende Adresszeile

Parameters for creating an order with Klarna

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
TransactionID		an12	O	Reference number from Klarna system
BillingAgreementID		ans..50	O	Token-ID (Consumer Token) from Klarna which must be additionally transferred for recurring payments. The value is returned only if request was made with **RTF=I**.
RedirectURL	"_links.redirect.href": "..."	ans..256	O	The customer must be forwarded to this URL so that Klarna can place a Cookie. The customer remains unaware of this process.
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
TransactionID		an12	O	Reference number from Klarna system	Referenznummer aus dem Klarna-System
BillingAgreementID		ans..50	O	Token-ID (Consumer Token) from Klarna which must be additionally transferred for recurring payments. The value is returned only if request was made with **R TF=I**.	Token-ID (Consumer Token) von Klarna, welche bei wiederkehrenden Zahlungen (Recurring) mitgesendet werden muss. Der Wert wird nur zurückgegeben, wenn der Aufruf mit **R TF=I** erfolgt ist.
RedirectURL	"_links.redirect.href": "..."	ans..256	O	The customer must be forwarded to this URL so that Klarna can place a Cookie. The customer remains unaware of this process.	Damit Klarna ein Cookie setzen kann, muss der Kunde auf diese URL weitergeleitet werden. Der Kunde bekommt hiervon nichts mit.
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for creating an order with Klarna

Create recurring order (Abo) with Klarna

In order to create a recurring order (e.g. Abo) with Klarna, please use the following URL:

https://www.computop-paygate.com/KlarnaPayments.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).
TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For creating a Klarna order the value **CNO** must be transferred.
BillingAgreementID		ans..50	M	Token-ID (Consumer Token) from Klarna which must be additionally transferred for recurring payments.
RTF	---	a1	M	For repeat payments (subscriptions): **I** = Initial payment of a new subscription, **R** = Routine payment (Recurring). For this request the value R must be transferred.

Account	"payment": {"klarna": { "accountName": "..." }}	ans..12	M	Within Paygate several Klarna user names can be stored on one MerchantID and controlled by the parameter **Account**. By default, please use the value "0", if you have several Klarna accounts, the values must be agreed with Computop Helpdesk.
ArticleList	"order": {"items": "..."}	ans..2048	M	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge> **Example:** `{ "order_lines": [{ "image_url": "https://www.exampleobjects.com/logo.png", "merchant_data": "", "name": "Battery Power Pack", "product_identifiers": { "brand": "Intel", "category_path": "Electronics Store > Computers & Tablets > Desktops", "global_trade_item-number": "735858293167", "manufacturer_part_number": "BOXNUC5CPYH" }, "product_url": "https://www.estore.com/products/f2a8d7e34", "quantity": 1, "quantity_unit": "kg", "reference": "19-402-USA", "tax_rate": 0, "total_amount": 1000, "total_discount_amount": 0, "total_tax_amount": 0, "type": "physical", "unit_price": 1000 }] }` Afterwards the article list created in JSON format must be Base64 encoded.

Key	REST	Format	CND	Description	Beschreibung

TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
TaxAmount	"amount": { "taxTotal": ...}	n..10	M	Gross amount of value added tax in the smallest currency unit (e.g. EUR Cent). The amount may not be negative. **Notice:** The VAT included is calculated for 19% with the formula =gross prices / 1.19 * 0.19. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).	Gesamtbetrag der MwSt. in der kleinsten Währungseinheit (z.B. EUR Cent). Der Betrag darf nicht negativ sein. **Hinweis:** Die enthaltene MwSt. berechnet sich bei 19% mit der Formel =Bruttopreis / 1,19 * 0,19. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	REST	Format	CND	Description	Beschreibung
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For creating a Klarna order the value **CNO** must be transferred.	Definiert, welcher Klarna API-Call Request angestoßen wird. Beim Anlegen der Klarna-Bestellung muss der Wert **CNO** übergeben werden.
BillingAgreementID		ans..50	M	Token-ID (Consumer Token) from Klarna which must be additionally transferred for recurring payments.	Token-ID (Consumer Token) von Klarna, welche bei wiederkehrenden Zahlungen (Recurring) mitgesendet werden muss.
RTF	---	a1	M	For repeat payments (subscriptions): **I** = Initial payment of a new subscription, **R** = Routine payment (Recurring). For this request the value R must be transferred.	Bei wiederkehrenden Zahlungen (Abos): **I** = Initialzahlung eines neuen Abos, **R** = Wiederkehrende Zahlung (Recurring). Bei diesem Request muss der Wert R übergeben werden.
Account	"payment": {"klarna": { "accountName": "..." }}	ans..12	M	Within Paygate several Klarna user names can be stored on one MerchantID and controlled by the parameter **Account**. By default, please use the value "0", if you have several Klarna accounts, the values must be agreed with Computop Helpdesk.	Im Paygate können mehrere Klarna-Benutzernamen auf einer MerchantID hinterlegt und durch den Parameter **Account** angesteuert werden. Standardmäßig verwenden Sie bitte den Wert "0", bei mehreren Klarna-Accounts stimmen Sie die Werte bitte mit Computop Helpdesk ab.
ArticleList	"order": {"items": "..."}	ans..2048	M	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory)	Komplette Artikelliste der Bestellung. Dieser Parameter muss im JSON-Format erstellt werden. Die einzelnen Parameter im JSON-Format sind folgende: **name** = Produktname (Pflicht) **quantity** = Artikelmenge. Der Wert darf nicht negativ sein. (Pflicht) **unit_price** = Einzelpreis inkl. Steuern aber exkl. Rabatte. (Pflicht) **total_amount** = Gesamtbetrag der Artikel inkl. Steuern und Rabatte. (Pflicht) **image_url** = URL zu einem Bild, welches später in Absprache mit Klarna eingebettet werden kann. (max. 1024 Zeichen)

image_url = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters)

merchant_data = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here.

product_identifiers.brand = product brand

product_identifiers.category_path = path of product category. As separator '>' has to be used.

product_identifiers.global_trade_item_number = article number (e.g. EAN, ISBN or UPC).

product_identifiers.manufacturer_part_number = manufacturer's number

product_url = URL to product image

quantity_unit = unit of quantity (e.g. kg)

reference = article number (e.g. SKU)

tax_rate = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory)

total_discount_amount = total amount of rebate. The value may not be negative.

total_tax_amount = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory)

type = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

merchant_data = "Durchreich-Parameter" (max. 255 Zeichen). Was hier übermittelt wird, muss mit Klarna abgestimmt werden.

product_identifiers.brand = Produktmarke

product_identifiers.category_path = Pfad der Produktkategorie. Als Trennzeichen muss '>' verwendet werden.

product_identifiers.global_trade_item_number = Artikelnummer (z.B. EAN, ISBN oder UPC).

product_identifiers.manufacturer_part_number = Herstellernummer

product_url = URL zum Produktbild

quantity_unit = Mengeneinheit (z.B. kg)

reference = Artikelnummer (z.B. SKU)

tax_rate = Steuersatz in Prozent (z.B. 25%). Das Prozentzeichen muss durch zwei Nullen ersetzt werden, also zum Beispiel 2500. Der Wert darf nicht negativ sein. (Pflicht)

total_discount_amount = Gesamtbetrag des Rabattes. Der Wert darf nicht negativ sein.

total_tax_amount = Gesamtbetrag der Steuern. Der Wert darf negativ sein, wenn der type 'discount' ist. (Pflicht)

type = Typ der Artikelposition. Mögliche Werte sind <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

Example:

```
{
        "order_lines": [
                {
                        "image_url":
"https://www.exampleobjects.com/logo.
png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics Store >
Computers & Tablets > Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },

"product_url": "https://www.estore.com
/products/f2a8d7e34",
                        "quantity": 1,

"quantity_unit": "kg",
                        "reference":
"19-402-USA",
                        "tax_rate": 0,

"total_amount": 1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",
                        "unit_price":
1000
                }
        ]
}
```

Afterwards the article list created in JSON format must be Base64 encoded.

Beispiel:

```
{
        "order_lines": [
                {
                        "image_url":
"https://www.exampleobjects.com/logo.
png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics Store >
Computers & Tablets > Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },
                        "product_url":
"https://www.estore.com/products
/f2a8d7e34",
                        "quantity": 1,

"quantity_unit": "kg",
                        "reference":
"19-402-USA",
                        "tax_rate": 0,

"total_amount": 1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",
                        "unit_price":
1000
                }
        ]
}
```

Anschließend muss die im JSON-Format erstellte Artikelliste Base64 encodiert werden.

Parameters for a recurring order (Abo) with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.

XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
TransactionID		an12	O	Reference number from Klarna system
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
TransactionID		an12	O	Reference number from Klarna system	Referenznummer aus dem Klarna-System
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen

ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for a recurring order (Abo) with Klarna Payments

Modify invoice and delivery address

Invoice and delivery information was transferred within Klarna widget. As long as no capture is made invoice and/or delivery address can be modified subsequently. For this purpose please use the following URL:

https://www.computop-paygate.com/KlarnaPayments.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
Event Token	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For updating invoice and/or delivery address the value **UCA** must be transferred.
Key		**Format**	**CND**	**Invoicing adress**
bdTitle	"billing": {"consumer": { "salutation": "..." }}	a..12	O	Salutation
bdFirstName	"billing": {"consumer": { "firstName": "..." }}	ans..30	O	First name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
bdLastName	"billing": {"consumer": { "lastName": "..." }}	ans..30	O	Last name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
bdCompany	"billing": {"business": { "companyLegalName": "..." }}	ans..30	O	Company. Only for B2B relevant, must be the same as sbCompany.
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	O	Street name and street number. Allowed special characters: -'´`",.:;#&/()+@ °ºª_ \
bdAddressAddition	"billing": {"addressInfo": { "addressLine2": "..." }}	ans..50	O	Address line 2
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	O	Postcode
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	O	City
bdRegion	"billing": {"addressInfo": { "region": "..." }}	a..32	O	Region

bdCountryCode	"billing": {"addressInfo": { "country": { "A2": "..." } }}	a2	O	Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland <CH>, Australia <AU>, Belgium <BE>, Spain <ES>, Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.
bdEmail	"billing": {"contactInfo": { "email": "..." }}	ans..80	O	E-mail address. Must include @ and domain.
bdPhone	"billing": {"contactInfo": { "phone": "..." }}	n..20	O	Phone number or mobile phone number
Key		**Format**	**CND**	**Delivery address**
sdTitle	"shipping": {"consumer": { "salutation": "..." }}	a..12	O	Salutation
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	O	First name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	O	Last name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.
sdCompany	"shipping": {"business": { "companyLegalName": "..." }}	ans..50	O	Company. Only for B2B relevant, must be the same as bdCompany.
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	O	Street name and street number. Allowed special characters: -'´`",.:;#&/()+@ °ºª_ \
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2": "..." }}	ans..50	O	Address line 2
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	O	Postcode
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	O	City
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	a..32	O	Region
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." } }}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland <CH>, Australia <AU>, Belgium <BE>, Spain <ES>, Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.
sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	O	E-mail address. Must include @ and domain.
sdPhone	"shipping": {"contactInfo": { "phone": "..." }}	n..20	O	Phone number or mobile phone number

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	REST	Format	CND	Description	Beschreibung

Event Token	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For updating invoice and/or delivery address the value **UCA** must be transferred.	Definiert, welcher Klarna API-Call Request angestoßen wird. Für das Update der Rechnungs- und/oder Lieferadresse muss der Wert **UCA** übergeben werden.
Key		**Format**	**CND**	**Invoicing adress**	**Rechnungsadresse**
bdTitle	"billing": {"consumer": { "salutation": "..." }}	a..12	O	Salutation	Anrede
bdFirstName	"billing": {"consumer": { "firstName": "..." }}	ans..30	O	First name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdLastName	"billing": {"consumer": { "lastName": "..." }}	ans..30	O	Last name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
bdCompany	"billing": {"business": { "companyLegalName": "..." }}	ans..30	O	Company. Only for B2B relevant, must be the same as sbCompany.	Firma. Nur für B2B von Bedeutung, muss identisch sein mit sdCompany.
bdStreet	"billing": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	O	Street name and street number. Allowed special characters: -'´`",.:;#&/()+@ ºª_ \	Straße und Hausnummer. Erlaubte Sonderzeichen: -'´`",.:;#&/()+@ ºª_ \
bdAddressAddition	"billing": {"addressInfo": { "addressLine2": "..." }}	ans..50	O	Address line 2	Adresszusatz
bdZip	"billing": {"addressInfo": { "postalCode": "..." }}	n..5	O	Postcode	Postleitzahl
bdCity	"billing": {"addressInfo": { "city": "..." }}	a..32	O	City	Ort
bdRegion	"billing": {"addressInfo": { "region": "..." }}	a..32	O	Region	Region
bdCountryCode	"billing": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the invoicing address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland <CH>, Australia <AU>, Belgium <BE>, Spain <ES>, Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Rechnungsadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien <ES>, Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.
bdEmail	"billing": {"contactInfo": { "email": "..." }}	ans..80	O	E-mail address. Must include @ and domain.	E-Mail-Adresse. Muss @ und Domain enthalten.
bdPhone	"billing": {"contactInfo": { "phone": "..." }}	n..20	O	Phone number or mobile phone number	Telefon- oder Mobilfunknummer

Key		Format	CND	Delivery address	Lieferadresse
sdTitle	"shipping": {"consumer": { "salutation": "..." }}	a..12	O	Salutation	Anrede
sdFirstName	"shipping": {"consumer": { "firstName": "..." }}	ans..30	O	First name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Vorname. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
sdLastName	"shipping": {"consumer": { "lastName": "..." }}	ans..30	O	Last name. Cannot be only numbers, must be more than 1 character. Allowed special characters: -''.	Nachname. Darf nicht nur aus Zahlen bestehen und muss aus mehr als 1 Zeichen bestehen. Erlaubte Sonderzeichen: -''.
sdCompany	"shipping": {"business": { "companyLegalName": "..." }}	ans..50	O	Company. Only for B2B relevant, must be the same as bdCompany.	Firma. Nur für B2B von Bedeutung, muss identisch sein mit bdCompany.
sdStreet	"shipping": {"addressInfo": { "addressLine1": {"street+streetNumber": "..." }}}	a..32	O	Street name and street number. Allowed special characters: -'´`",.:;#&/()+@ ºª_ \	Straße und Hausnummer. Erlaubte Sonderzeichen: -'´`",.:;#&/()+@ ºª_ \
sdAddressAddition	"shipping": {"addressInfo": { "addressLine2": "..." }}	ans..50	O	Address line 2	Adresszusatz
sdZip	"shipping": {"addressInfo": { "postalCode": "..." }}	n..5	O	Postcode	Postleitzahl
sdCity	"shipping": {"addressInfo": { "city": "..." }}	a..32	O	City	Ort
sdRegion	"shipping": {"addressInfo": { "region": "..." }}	a..32	O	Region	Region
sdCountryCode	"shipping": {"addressInfo": { "country": { "A2": "..." }}}	a2	O	Country code for the delivery address, 2 characters according to ISO 3166-1. Allowed are Germany <DE>, Austria <AT>, Netherlands <NL>, Denmark <DK>, Sweden <SE>, Norway <NO>, Finland <FI>, Great Britain <GB>, USA <US>, Switzerland <CH>, Australia <AU>, Belgium <BE>, Spain <ES>, Italy <IT>, Ireland <IE>, Poland <PL>, <PT> Portugal, <FR> France and <CA> Canada.	Ländercode der Rechnungsadresse zweistellig gemäß ISO-3166-1. Erlaubt sind Deutschland <DE>, Österreich <AT>, Niederlande <NL>, Dänemark <DK>, Schweden <SE>, Norwegen <NO>, Finnland <FI>, Großbritannien <GB>, USA <US>, Schweiz <CH>, Australien <AU>, Belgien <BE>, Spanien <ES>, Italien <IT>, Irland <IE>, Polen <PL>, <PT> Portugal, <FR> Frankreich und <CA> Kanada.
sdEmail	"shipping": {"contactInfo": { "email": "..." }}	ans..80	O	E-mail address. Must include @ and domain.	E-Mail-Adresse. Muss @ und Domain enthalten.
sdPhone	"shipping": {"contactInfo": { "phone": "..." }}	n..20	O	Phone number or mobile phone number	Telefon- oder Mobilfunknummer

Parameters for address modification with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung

Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for address modification with Klarna Payments

Modify unique reference number

As long as no capture is made the unique reference number which already was sent along within parameter RefNr for creating the Klarna session can be modified subsequently. For this purpose please use the following URL:

https://www.computop-paygate.com/KlarnaPayments.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For updating the unique reference number the value **UMR** must be transferred.
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
Event Token	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For updating the unique reference number the value **UMR** must be transferred.	Definiert, welcher Klarna API-Call Request angestoßen wird. Für das Update der eindeutigen Referenznummer muss der Wert **UMR** übergeben werden.

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung

MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Parameters for modification of reference number with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for modification of reference number with Klarna Payments

Modify order amount and article list

As long as no capture is made the order amount as well as the whole article list can be modified subsequently. For this purpose please use the following URL:

https://www.computop-paygate.com/KlarnaPayments.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Amount	"amount": { "value": ...}	n..10	M	New total amount in the smallest currency unit (e.g. EUR Cent) The amount may not be negative. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** The new amount may not be higher than the amount transferred within the initial request.
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For modifying of order amount and article list the value **UEO** must be transferred.

ArticleList	"order": {"items": "..."}	ans..2048	M	New article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge> **Example:** `{ "order_lines": [{ "image_url": "https://www.exampleobjects.com/logo.png", "merchant_data": "", "name": "Battery Power Pack", "product_identifiers": { "brand": "Intel", "category_path": "Electronics Store > Computers & Tablets > Desktops", "global_trade_item-number": "735858293167", "manufacturer_part_number": "BOXNUC5CPYH" }, "product_url": "https://www.estore.com/products/f2a8d7e34", "quantity": 1, "quantity_unit": "kg", "reference": "19-402-USA", "tax_rate": 0, "total_amount": 1000, "total_discount_amount": 0, "total_tax_amount": 0, "type": "physical", "unit_price": 1000 }] }` Afterwards the article list created in JSON format must be Base64 encoded.

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung

TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	New total amount in the smallest currency unit (e.g. EUR Cent) The amount may not be negative. Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** The new amount may not be higher than the amount transferred within the initial request.	Neuer Gesamtbetrag in der kleinsten Währungseinheit (z.B. EUR Cent). Der Betrag darf nicht negativ sein. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten. **Hinweis:** Der neue Betrag darf nicht höher sein, als der im anfänglichen Request mitgegebene Betrag.

Key	REST	Format	CND	Description	Beschreibung
Currency	"amount": { "currency": "..."}	a3	M	Currency, three digits DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: A1 Currency table	Währung, drei Zeichen DIN / ISO 4217, z.B. EUR, USD, GBP. Hier eine Übersicht: A1 Währungstabelle

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	REST	Format	CND	Description	Beschreibung
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For modifying of order amount and article list the value **UEO** must be transferred.	Definiert, welcher Klarna API-Call Request angestoßen wird. Für das Ändern des Bestellbetrages und der Artikelliste muss der Wert **UEO** übergeben werden.
ArticleList	"order": {"items": "..."}	ans..2048	M	New article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory)	Neue Artikelliste der Bestellung. Dieser Parameter muss im JSON-Format erstellt werden. Die einzelnen Parameter im JSON-Format sind folgende: **name** = Produktname (Pflicht) **quantity** = Artikelmenge. Der Wert darf nicht negativ sein. (Pflicht) **unit_price** = Einzelpreis inkl. Steuern aber exkl. Rabatte. (Pflicht) **total_amount** = Gesamtbetrag der Artikel inkl. Steuern und Rabatte. (Pflicht) **image_url** = URL zu einem Bild, welches später in Absprache mit Klarna eingebettet werden kann. (max. 1024 Zeichen) **merchant_data** = "Durchreich-Parameter" (max. 255 Zeichen). Was hier übermittelt wird, muss mit Klarna abgestimmt werden. **product_identifiers.brand** = Produktmarke **product_identifiers.category_path** = Pfad der Produktkategorie. Als Trennzeichen muss '>' verwendet werden. **product_identifiers.global_trade_item_number** = Artikelnummer (z.B. EAN, ISBN oder UPC). **product_identifiers.manufacturer_part_number** = Herstellernummer **product_url** = URL zum Produktbild **quantity_unit** = Mengeneinheit (z.B. kg) **reference** = Artikelnummer (z.B. SKU) **tax_rate** = Steuersatz in Prozent (z.B. 25%). Das Prozentzeichen muss durch zwei Nullen ersetzt werden, also zum Beispiel 2500. Der Wert darf nicht negativ sein. (Pflicht) **total_discount_amount** = Gesamtbetrag des Rabattes. Der Wert darf nicht negativ sein. **total_tax_amount** = Gesamtbetrag der Steuern. Der Wert darf negativ sein, wenn der type 'discount' ist. (Pflicht)

				type = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>
				
				Example:
				
				{
				"order_lines": [
				{
				"image_url": "https://www.exampleobjects.com/logo.png",
				"merchant_data": "",
				"name": "Battery Power Pack",
				"product_identifiers": {
				"brand": "Intel",
				"category_path": "Electronics Store > Computers & Tablets > Desktops",
				"global_trade_item-number": "735858293167",
				"manufacturer_part_number": "BOXNUC5CPYH"
				},
				"product_url": "https://www.estore.com/products/f2a8d7e34",
				"quantity": 1,
				"quantity_unit": "kg",
				"reference": "19-402-USA",
				"tax_rate": 0,
				"total_amount": 1000,
				"total_discount_amount": 0,
				"total_tax_amount": 0,
				"type": "physical",
				"unit_price": 1000
				}
				]
				}
				
				Afterwards the article list created in JSON format must be Base64 encoded.
					type = Typ der Artikelposition. Mögliche Werte sind <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>
					
					Beispiel:
					
					{
					"order_lines": [
					{
					"image_url": "https://www.exampleobjects.com/logo.png",
					"merchant_data": "",
					"name": "Battery Power Pack",
					"product_identifiers": {
					"brand": "Intel",
					"category_path": "Electronics Store > Computers & Tablets > Desktops",
					"global_trade_item-number": "735858293167",
					"manufacturer_part_number": "BOXNUC5CPYH"
					},
					"product_url": "https://www.estore.com/products/f2a8d7e34",
					"quantity": 1,
					"quantity_unit": "kg",
					"reference": "19-402-USA",
					"tax_rate": 0,
					"total_amount": 1000,
					"total_discount_amount": 0,
					"total_tax_amount": 0,
					"type": "physical",
					"unit_price": 1000
					}
					]
					}
					
					Anschließend muss die im JSON-Format erstellte Artikelliste Base64 encodiert werden.

Parameters for modifying order amount and article list with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop

PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for modification of order amount and article list with Klarna Payments

Capture

Captures are possible via a Server-to-Server connection. To carry out a complete or partial capture for Klarna Payments via a Server-to-Server connection, please use the following URL:

https://www.computop-paygate.com/capture.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth. Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
Amount	"amount": { "value": ...}	n..10	M	Amount to be captured in the smallest currency unit including taxes and rebates (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** It depends on the amount whether a full or partial capture is made.
Currency	"amount": { "currency": "..."}	a..3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
ReqId	"requestId": "..."	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication/authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. **Notice:** Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.
Shipping Data	"payment": {"klarna": { "shippingInfoCapture": "..." }}	ans..2048	O	Delivery information (e.g. tracking data). This parameter must be created in JSON format. **Example:** `{ "shipping_info": [{ "shipping_company": "DHL US", "shipping_method": "Home", "tracking_number": "63456415674545679074", "tracking_url": "http://shipping.example/findmypackage?63456415674545679074", "return_shipping_company": "DHL US", "return_tracking_number": "9345641567454567900 0", "return_tracking_url": "http://shipping.example/findmypackage?93456415674545679000" }] }` Afterwards the delivery information created in JSON format must be Base64 encoded.

ArticleList	"order": {"items": "..."}	ans..2048	O	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge> **Example:** Afterwards the article list created in JSON format must be Base64 encoded.
CompleteType	"payment": {"klarna": { "completeType": "..." }}	a3	O	With this parameter during a partial capture it is possible to reverse the remaining amount simultaneously. Possible value <YES>. If the order was processed completely this parameter will cause an error, because a remaining amount of 0 cannot be reversed.

```
{
    "order_lines": [
        {
            "image_url": "https://www.exampleobjects.com/logo.png",
            "merchant_data": "",
            "name": "Battery Power Pack",
            "product_identifiers": {
                "brand": "Intel",
                "category_path": "Electronics Store > Computers &
Tablets > Desktops",
                "global_trade_item-number": "735858293167",
                "manufacturer_part_number": "BOXNUC5CPYH"
            },
            "product_url": "https://www.estore.com/products/f2a8d7e34",
            "quantity": 1,
            "quantity_unit": "kg",
            "reference": "19-402-USA",
            "tax_rate": 0,
            "total_amount": 1000,
            "total_discount_amount": 0,
            "total_tax_amount": 0,
            "type": "physical",
            "unit_price": 1000
        }
    ]
}
```

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount to be captured in the smallest currency unit including taxes and rebates (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** It depends on the amount whether a full or partial capture is made.	Betrag, der gebucht werden soll, in der kleinsten Währungseinheit (z.B. EUR Cent) inkl. Steuern und Rabatte. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten. **Hinweis:** Ob eine Teil- oder Vollbuchung durchgeführt wird, ist vom Betrag abhängig.
Currency	"amount": { "currency": "..."}	a..3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.	Währung, drei Zeichen DIN / ISO 4217, zulässig sind: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	REST	Format	CND	Description	Beschreibung
ReqId	"requestId": "..."	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. **Notice:** Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. **Hinweis:** Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Key	REST	Format	CND	Description	Beschreibung

Shipping Data	"payment": {"klarna": { "shippingInfoCapture": "..." }}	ans..2048	O	Delivery information (e.g. tracking data). This parameter must be created in JSON format.
				
				Example:
				
				{
				"shipping_info": [
				{
				
				"shipping_company": "DHL US",
				
				"shipping_method": "Home",
				
				"tracking_number": "63456415674545679074",
				
				"tracking_url": "http://shipping.example/findmypackage?63456415674545679074",
				
				"return_shipping_company": "DHL US",
				
				"return_tracking_number": "93456415674545679000",
				
				"return_tracking_url": "http://shipping.example/findmypackage?93456415674545679000"
				}
				]
				}
				
				Afterwards the delivery information created in JSON format must be Base64 encoded.
					Lieferinformationen (z.B. Tracking-Daten). Dieser Parameter muss im JSON-Format erstellt werden.
					
					Beispiel:
					
					{
					"shipping_info": [
					{
					
					"shipping_company": "DHL US",
					
					"shipping_method": "Home",
					
					"tracking_number": "63456415674545679074",
					
					"tracking_url": "http://shipping.example/findmypackage?63456415674545679074",
					
					"return_shipping_company": "DHL US",
					
					"return_tracking_number": "93456415674545679000",
					
					"return_tracking_url": "http://shipping.example/findmypackage?93456415674545679000"
					}
					]
					}
					
					Anschließend müssen die im JSON-Format erstellten Lieferinformationen Base64 encodiert werden.

ArticleList	"order": {"items": "..."}	ans..2048	O	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>	Komplette Artikelliste der Bestellung. Dieser Parameter muss im JSON-Format erstellt werden. Die einzelnen Parameter im JSON-Format sind folgende: **name** = Produktname (Pflicht) **quantity** = Artikelmenge. Der Wert darf nicht negativ sein. (Pflicht) **unit_price** = Einzelpreis inkl. Steuern aber exkl. Rabatte. (Pflicht) **total_amount** = Gesamtbetrag der Artikel inkl. Steuern und Rabatte. (Pflicht) **image_url** = URL zu einem Bild, welches später in Absprache mit Klarna eingebettet werden kann. (max. 1024 Zeichen) **merchant_data** = "Durchreich-Parameter" (max. 255 Zeichen). Was hier übermittelt wird, muss mit Klarna abgestimmt werden. **product_identifiers.brand** = Produktmarke **product_identifiers.category_path** = Pfad der Produktkategorie. Als Trennzeichen muss '>' verwendet werden. **product_identifiers.global_trade_item_number** = Artikelnummer (z.B. EAN, ISBN oder UPC). **product_identifiers.manufacturer_part_number** = Herstellernummer **product_url** = URL zum Produktbild **quantity_unit** = Mengeneinheit (z.B. kg) **reference** = Artikelnummer (z.B. SKU) **tax_rate** = Steuersatz in Prozent (z.B. 25%). Das Prozentzeichen muss durch zwei Nullen ersetzt werden, also zum Beispiel 2500. Der Wert darf nicht negativ sein. (Pflicht) **total_discount_amount** = Gesamtbetrag des Rabattes. Der Wert darf nicht negativ sein. **total_tax_amount** = Gesamtbetrag der Steuern. Der Wert darf negativ sein, wenn der type 'discount' ist. (Pflicht) **type** = Typ der Artikelposition. Mögliche Werte sind <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

				Example:
				{
				"order_lines": [
				{
				"image_url": "https://www.exampleobjects.com/logo.png",
				"merchant_data": "",
				"name": "Battery Power Pack",
				"product_identifiers": {
				"brand": "Intel",
				"category_path": "Electronics Store > Computers & Tablets > Desktops",
				"global_trade_item-number": "735858293167",
				"manufacturer_part_number": "BOXNUC5CPYH"
				},
				"product_url": "https://www.estore.com/products/f2a8d7e34",
				"quantity": 1,
				"quantity_unit": "kg",
				"reference": "19-402-USA",
				"tax_rate": 0,
				"total_amount": 1000,
				"total_discount_amount": 0,
				"total_tax_amount": 0,
				"type": "physical",
				"unit_price": 1000
				}
				]
				}
				Afterwards the article list created in JSON format must be Base64 encoded.
					Beispiel:
					{
					"order_lines": [
					{
					"image_url": "https://www.exampleobjects.com/logo.png",
					"merchant_data": "",
					"name": "Battery Power Pack",
					"product_identifiers": {
					"brand": "Intel",
					"category_path": "Electronics Store > Computers & Tablets > Desktops",
					"global_trade_item-number": "735858293167",
					"manufacturer_part_number": "BOXNUC5CPYH"
					},
					"product_url": "https://www.estore.com/products/f2a8d7e34",
					"quantity": 1,
					"quantity_unit": "kg",
					"reference": "19-402-USA",
					"tax_rate": 0,
					"total_amount": 1000,
					"total_discount_amount": 0,
					"total_tax_amount": 0,
					"type": "physical",
					"unit_price": 1000
					}
					]
					}
					Anschließend muss die im JSON-Format erstellte Artikelliste Base64 encodiert werden.

Completeness	"payment": {"klarna": { "completeType": "..." }}	a3	O	With this parameter during a partial capture it is possible to reverse the remaining amount simultaneously. Possible value <YES>. If the order was processed completely this parameter will cause an error, because a remaining amount of 0 cannot be reversed.	Mit diesem Parameter kann bei einer Teilbuchung gleichzeitig der noch verbleibende Restbetrag storniert werden. Möglicher Wert <YES>. Wurde der Auftrag vollständig gebucht, führt dieser Parameter zu einem Fehler, da ein Restbetrag von 0 nicht storniert werden kann.

Parameters for captures with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description

mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
InvoiceNr	"payment": {"klarnaInvoiceNumber": "..."}	ans..30	M	Invoice/booking number from Klarna. This number is needed for example for resending the E-Mail with payment and order information.
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung

InvoiceNr	"payment": {"klarnaInvoiceNumber": "..." }	ans..30	M	Invoice/booking number from Klarna. This number is needed for example for resending the E-Mail with payment and order information.	Rechnungs-/Buchungsnummer von Klarna. Diese Nummer wird beispielsweise benötigt, um das Versenden der E-Mail mit den Zahlungs- und Bestellinformationen erneut anzustoßen.
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for captures with Klarna Payments

Resending an activated invoice

It may happen that a customer hasn't received the E-Mail with payment and order information. This request is possible only if a capture was already made. For resending this E-Mail, please use the following URL:

https://www.computop-paygate.com/KlarnaPayments.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth.Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)
EventToken	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For resending the E-Mail the value **RCC** must be transferred.
InvoiceNr	"payment": {"klarnaInvoiceNumber": "..." }	ans..30	M	Invoice/booking number from Klarna which is returned for all captures within response parameter **InvoiceNr**

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Key	REST	Format	CND	Description	Beschreibung
Event Token	"payment": {"klarna": { "eventType": "..." }}	enum	M	Defines which Klarna API-Call request will be initiated. For resending the E-Mail the value **RCC** must be transferred.	Definiert, welcher Klarna API-Call Request angestoßen wird. Für das erneute Versenden der E-Mail muss der Wert **RCC** übergeben werden.

InvoiceNr	"payment": {"klarnaInvoiceNumber": "..." }	ans..30	M	Invoice/booking number from Klarna which is returned for all captures within response parameter **InvoiceNr**	Rechnungs-/Buchungsnummer von Klarna, welche bei jeder Buchung im Antwortparameter **InvoiceNr** zurückgegeben wird

Parameters for resending an activated invoice with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for resending an activated invoice with Klarna Payments

Credit with reference and partial credit

Credits (refunds) are possible via a Server-to-Server connection. To carry out a partal or full credit with a reference transaction, please use the following URL:

https://www.computop-paygate.com/credit.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth. Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
Amount	"amount": { "value": ...}	n..10	M	Total amount to be credited in the smallest currency unit including taxes and rebates (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** It depends on the amount whether a full or partial credit is made.
Currency	"amount": { "currency": "..."}	a..3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
ReqId	"requestId": "..."	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication/authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. **Notice:** Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

ArticleList	"order": {"items": "..."}	ans..2048	O	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory) **total_discount_amount** = total amount of rebate. The value may not be negative. **total_tax_amount** = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory) **type** = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge> **Example:** `{ "order_lines": [{ "image_url": "https://www.exampleobjects.com/logo.png", "merchant_data": "", "name": "Battery Power Pack", "product_identifiers": { "brand": "Intel", "category_path": "Electronics Store > Computers & Tablets > Desktops", "global_trade_item-number": "735858293167", "manufacturer_part_number": "BOXNUC5CPYH" }, "product_url": "https://www.estore.com/products/f2a8d7e34", "quantity": 1, "quantity_unit": "kg", "reference": "19-402-USA", "tax_rate": 0, "total_amount": 1000, "total_discount_amount": 0, "total_tax_amount": 0, "type": "physical", "unit_price": 1000 }] }` Afterwards the article list created in JSON format must be Base64 encoded.
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Total amount to be credited in the smallest currency unit including taxes and rebates (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** It depends on the amount whether a full or partial credit is made.	Gesamtbetrag, der gutgeschrieben werden soll, in der kleinsten Währungseinheit (z.B. EUR Cent) inkl. Steuern und Rabatten. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten. **Hinweis:** Ob eine Teil- oder Vollgutschrift durchgeführt wird, ist vom Betrag abhängig.
Currency	"amount": { "currency": "..."}	a..3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.	Währung, drei Zeichen DIN / ISO 4217, zulässig sind: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
ReqId	"requestId": "..."	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. **Notice:** Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. **Hinweis:** Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Key	REST	Format	CND	Description	Beschreibung
ArticleList	"order": {"items": "..."}	ans..2048	O	Complete article list of the order. This parameter must be created in JSON format. The individual parameters in JSON format are following: **name** = Product name (mandatory) **quantity** = item quantity. The value may not be negative. (mandatory) **unit_price** = unit price inclusive taxes but without rebates. (mandatory) **total_amount** = total amount of iarticles inclusive taxes and rebates. (mandatory) **image_url** = URL for an image that can be embedded later in agreement with Klarna. (max. 1024 characters) **merchant_data** = "pass-through parameter" (max. 255 characters). Merchant must agree with Klarna what will be transmitted here. **product_identifiers.brand** = product brand **product_identifiers.category_path** = path of product category. As separator '>' has to be used. **product_identifiers.global_trade_item_number** = article number (e.g. EAN, ISBN or UPC). **product_identifiers.manufacturer_part_number** = manufacturer's number **product_url** = URL to product image **quantity_unit** = unit of quantity (e.g. kg) **reference** = article number (e.g. SKU) **tax_rate** = tax rate as percentage (e.g. 25%). The percent sign muss be replaced with two zeros, thus for example 2500. The value may not be negative. (mandatory)	Komplette Artikelliste der Bestellung. Dieser Parameter muss im JSON-Format erstellt werden. Die einzelnen Parameter im JSON-Format sind folgende: **name** = Produktname (Pflicht) **quantity** = Artikelmenge. Der Wert darf nicht negativ sein. (Pflicht) **unit_price** = Einzelpreis inkl. Steuern aber exkl. Rabatte. (Pflicht) **total_amount** = Gesamtbetrag der Artikel inkl. Steuern und Rabatte. (Pflicht) **image_url** = URL zu einem Bild, welches später in Absprache mit Klarna eingebettet werden kann. (max. 1024 Zeichen) **merchant_data** = "Durchreich-Parameter" (max. 255 Zeichen). Was hier übermittelt wird, muss mit Klarna abgestimmt werden. **product_identifiers.brand** = Produktmarke **product_identifiers.category_path** = Pfad der Produktkategorie. Als Trennzeichen muss '>' verwendet werden. **product_identifiers.global_trade_item_number** = Artikelnummer (z.B. EAN, ISBN oder UPC). **product_identifiers.manufacturer_part_number** = Herstellernummer **product_url** = URL zum Produktbild **quantity_unit** = Mengeneinheit (z.B. kg) **reference** = Artikelnummer (z.B. SKU) **tax_rate** = Steuersatz in Prozent (z.B. 25%). Das Prozentzeichen muss durch zwei Nullen ersetzt werden, also zum Beispiel 2500. Der Wert darf nicht negativ sein. (Pflicht) **total_discount_amount** = Gesamtbetrag des Rabattes. Der Wert darf nicht negativ sein.

total_discount_amount = total amount of rebate. The value may not be negative.

total_tax_amount = total amount of taxes. The value may be negative, if type is 'discount'. (mandatory)

type = type of item position. Possible entries are <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

Example:

```
{
        "order_lines": [
                {
                        "image_url":
"https://www.exampleobjects.com/logo.
png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics Store >
Computers & Tablets > Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },
                        "product_url":
"https://www.estore.com/products
/f2a8d7e34",
                        "quantity": 1,

"quantity_unit": "kg",
                        "reference":
"19-402-USA",
                        "tax_rate": 0,

"total_amount": 1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",
                        "unit_price":
1000
                }
        ]
}
```

Afterwards the article list created in JSON format must be Base64 encoded.

total_tax_amount = Gesamtbetrag der Steuern. Der Wert darf negativ sein, wenn der type 'discount' ist. (Pflicht)

type = Typ der Artikelposition. Mögliche Werte sind <physical>, <discount>, <shipping_fee>, <sales_tax>, <digital>, <gift_card>, <store_credit>, <surcharge>

Beispiel:

```
{
        "order_lines": [
                {
                        "image_url":
"https://www.exampleobjects.com/logo.
png",

"merchant_data": "",
                        "name":
"Battery Power Pack",

"product_identifiers": {

"brand": "Intel",

"category_path": "Electronics Store >
Computers & Tablets > Desktops",

"global_trade_item-number":
"735858293167",

"manufacturer_part_number":
"BOXNUC5CPYH"
                        },
                        "product_url":
"https://www.estore.com/products
/f2a8d7e34",
                        "quantity": 1,

"quantity_unit": "kg",
                        "reference":
"19-402-USA",
                        "tax_rate": 0,

"total_amount": 1000,

"total_discount_amount": 0,

"total_tax_amount": 0,
                        "type":
"physical",
                        "unit_price":
1000
                }
        ]
}
```

Anschließend muss die im JSON-Format erstellte Artikelliste Base64 encodiert werden.

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Parameters for credits of payments with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
InvoiceNr	"payment": {"klarnaInvoiceNumber": "..."}	ans..30	M	Number of invoice/credit note from Klarna Payments
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung
InvoiceNr	"payment": {"klarnaInvoiceNumber": "..." }	ans..30	M	Number of invoice/credit note from Klarna Payments	Rechnungs-/Gutschriftsnummer von Klarna Payments
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for credits of payments with Klarna Payments

Reversal

Reversals are possible via a Server-to-Server connection. With this request merchants can reverse the total authorisation amount in case of no capture was made or can reverse the remaining authorisation amount if a partial capture was already made. For this purpose please use the following URL:

https://www.computop-paygate.com/reverse.aspx

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Key	REST	Format	CND	Description
MerchantID	BasicAuth. Username	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
Amount	"amount": { "value": ...}	n..10	M	Amount to be reversed in the smallest currency unit including taxes and rebates (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** If no capture was made the amount must equals the previously authorised amount. If a partial capture already was made the amount must equals the remaining authorised amount. A reversal for an already completely captured order will be refused with an error also if an amount 0 is used.
Currency	"amount": { "currency": "..."}	a..3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
ReqId	"requestId": "..."	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. **Notice:** Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.

MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
Amount	"amount": { "value": ...}	n..10	M	Amount to be reversed in the smallest currency unit including taxes and rebates (e.g. EUR Cent). Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit). **Notice:** If no capture was made the amount must equals the previously authorised amount. If a partial capture already was made the amount must equals the remaining authorised amount. A reversal for an already completely captured order will be refused with an error also if an amount 0 is used.	Betrag, der storniert werden soll, in der kleinsten Währungseinheit (z.B. EUR Cent) inkl. Steuern und Rabatten. Bitte wenden Sie sich an den Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten. **Hinweis:** Wenn noch keine Buchung erfolgt ist, muss der Betrag dem vorher autorisierten Betrag entsprechen. Wenn bereits eine Teilbuchung erfolgt ist, muss der Betrag dem Restbetrag der Autorisierung entsprechen. Eine Stornierung auf einem bereits vollständig gebuchtem Auftrag wird mit einem Fehler abgelehnt, auch wenn als Betrag 0 verwendet wird.
Currency	"amount": { "currency": "..."}	a..3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.	Währung, drei Zeichen DIN / ISO 4217, zulässig sind: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
ReqId	"requestId": "..."	ans..32	O	To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action. Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly. **Notice:** Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.	Um Doppelzahlungen (z.B. durch ETM) zu vermeiden, übergeben Sie einen alphanumerischen Wert, der Ihre Transaktion oder Aktion identifiziert und nur einmal vergeben werden darf. Falls die Transaktion oder Aktion mit derselben ReqID erneut eingereicht wird, führt das Computop Paygate keine Zahlung oder weitere Aktion aus, sondern gibt nur den Status der ursprünglichen Transaktion oder Aktion zurück. Bitte beachten Sie, dass das Computop Paygate für die erste initiale Aktion (Authentifizierung/Autorisierung) einen abgeschlossenen Transaktionsstatus haben muss. Dies gilt nicht für 3-D Secure Authentifizierungen, die durch einem Timeout beendet werden. Der Status 3-D Secure Timeout gilt nicht als abgeschlossener Status, bei dem ReqID-Funktionalität am Paygate nicht greift. Einreichungen mit identischer ReqID auf einen offenen Status werden regulär verarbeitet. **Hinweis:** Bitte beachten Sie, dass eine ReqID nur 12 Monate gültig ist, danach wird sie vom Paygate gelöscht.

Key	REST	Format	CND	Description	Beschreibung
MAC	---	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: • HMAC Authentication (Request) • HMAC Authentication (Notify)	Hash Message Authentication Code (HMAC) mit SHA-256-Algorithmus. Details finden Sie hier: • HMAC-Authentisierung (Anfrage) • HMAC-Authentisierung (Notify)

Parameters for reversal of payments with Klarna Payments

The following table describes the result parameters with which the Computop Paygate responds to your system

pls. be prepared to receive additional parameters at any time and do not check the order of parameters

the key (e.g. MerchantId, RefNr) should not be checked case-sentive

Key	REST	Format	CND	Description
mid	"merchantId": "..."	ans..30	M	MerchantID, assigned by Computop
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)
CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk

Key	REST	Format	CND	Description	Beschreibung
PayID	"paymentId": "..."	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.	Vom Paygate vergebene ID für die Zahlung; z.B. zur Referenzierung in Batch-Dateien sowie im Capture- oder Credit-Request.

Key	REST	Format	CND	Description	Beschreibung
XID	"xId": "..."	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate	Vom Paygate vergebene ID für alle einzelnen Transaktionen (Autorisierung, Buchung, Gutschrift), die für eine Zahlung durchgeführt werden

Key	REST	Format	CND	Description	Beschreibung
TransID	"transactionId": "..."	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	REST	Format	CND	Description	Beschreibung
refnr	"referenceNumber": "..."	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	REST	Format	CND	Description	Beschreibung
Status	"status": "OK" "status": "FAILED"	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	REST	Format	CND	Description	Beschreibung
Description	"description": "..."	ans..1024	M	Further details in the event that payment is rejected. Please **do not** use the **Description but** the Code parameter for the transaction status analysis!	Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie **nicht** den Parameter **Description, sondern** Code für die Auswertung des Transaktionsstatus!

Key	REST	Format	CND	Description	Beschreibung
Code	"code": ...	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Key	REST	Format	CND	Description	Beschreibung

CodeExt	"externalErrorCode": ...	ans..50	O	Error code from Klarna, if agreed with Computop Helpdesk	Fehlercode von Klarna, wenn mit Computop Helpdesk abgesprochen
ErrorText	"errorText": "..."	ans..1024	O	Error text from Klarna, if agreed with Computop Helpdesk	Fehlertext von Klarna, wenn mit Computop Helpdesk abgesprochen

Response parameters for reversal of payments with Klarna Payments

Batch processing via the interface

Basic information about using Batch files and about their structure can be found in the Batch Manager manual. Within batch processing not alle functions are available which are usually available for the online interface.

This section describes the parameters which must be transferred within the data set (**Record**) for executing a payment with Klarna Payments and which information can be found within the response file about the payment status.

When capturing there is a need to differentiate between complete and partial activation requests. In the case of part capturing you need also to transfer the article list with <ArticleList>. The <ArticleList> parameter is also required if a partial credit is made on a full activation. The two parameters <ArticleList> and <InvNo> are also required in the case of a partial credit on a partial activation. All additional parameters are also returned in the response file.

Following table gives an overview of all batch versions that are possible for a specific action and their specialities:

Action	Version	Description
Capture	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)
Credit	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)
Reverse	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)

Description of the possible batch versions

The structure for a payment with Klarna Payments within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
KLARNAPM,CAPTURE,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>
KLARNAPM,CAPTURE,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>,<ArticleList>
KLARNAPM,CREDIT,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>
KLARNAPM,CREDIT,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>,<ArticleList>
KLARNAPM,REVERSE,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>
FOOT,<CountRecords>,<SumAmount>
```

Example for Master MID function:

```
HEAD,[Master]MerchantID,Date,2.x
Type,Action,[Slave]MID,Amount,Currency,TransID,Data (depends on Action)
FOOT,CountRecords,SumAmount
```

The following table describes the individual fields and values used within the data set (record) in the batch file:

Key	Format	CND	Description
Type	a..11	M	HEAD for Header, FOOT for Footer, KLARNAPM for Klarna Payments

Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit Reverse (cancellation)
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).
Currency	a3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
refnr	ns..30	O	Merchant's unique reference number
PayID	an32	M	ID assigned by Paygate for this transaction
InvNo	ans..30	O	Invoice number for a part activation or part credit. Longest InvNo so far had 17 digits.

Key	Format	CND	Description	Beschreibung
Amount	n..10	M	Amount in the smallest currency unit (e.g. EUR Cent). Please contact the Computop Helpdesk, if you want to capture amounts <100 (smallest currency unit).	Betrag in der kleinsten Währungseinheit (z.B. EUR Cent). Bitte wenden Sie sich an den Computop Helpdesk, wenn Sie Beträge < 100 (kleinste Währungseinheit) buchen möchten.

Key	Format	CND	Description	Beschreibung
Currency	a3	M	Currency, three characters DIN / ISO 4217, permitted are: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.	Währung, drei Zeichen DIN / ISO 4217, zulässig sind: AUD, CHF, DKK, EUR, GBP, NOK, SEK, USD.

Key	Format	CND	Description	Beschreibung
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment	Ihre eigene TransaktionsID, die für jede Zahlung eindeutig sein muss

Key	Format	CND	Description	Beschreibung
refnr	ns..30	O	Merchant's unique reference number	Eindeutige Referenznummer des Händlers

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for this transaction	Vom Paygate vergebene ID für diese Transaktion

Key	Format	CND	Description	Beschreibung
InvNo	ans..30	O	Invoice number for a part activation or part credit. Longest InvNo so far had 17 digits.	Rechnungsnummer für eine Teil-Aktivierung oder Teil-Gutschrift. Längste InvNo bisher war 17stellig.

Description of fields within the record for Batch files

The record area within the response file for Batch transactions looks as follows:

```
HEAD,<MerchantID>,<Date>,<Version>
KLARNAPM,CAPTURE,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>,<Status>,<Code>
KLARNAPM,CAPTURE,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>,<ArticleList>,<InvNo>,<Status>,<Code>
KLARNAPM,CREDIT,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>,<Status>,<Code>
KLARNAPM,CREDIT,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>,<ArticleList>,<InvNo>,<Status>,<Code>
KLARNAPM,REVERSE,<Amount>,<Currency>,<TransID>,(<RefNr>,)<PayID>,<Status>,<Code>
FOOT,<CountRecords>,<SumAmount>
```

The following table describes the response parameters which the Batch Manager saves in the Record area for each transaction (standard parameters not explained here, such as <TransID> or <RefNR> and request parameters are returned unchanged and correspond to the call as specified before):

Key	Format	CND	Description

Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit Reverse (cancellation)
PayID	an32	M	ID assigned by Paygate for this transaction
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)

Key	Format	CND	Description	Beschreibung
PayID	an32	M	ID assigned by Paygate for this transaction	Vom Paygate vergebene ID für diese Transaktion

Key	Format	CND	Description	Beschreibung
Status	a..50	M	OK (URLSuccess) or FAILED (URLFailure)	OK (URLSuccess) oder FAILED (URLFailure)

Key	Format	CND	Description	Beschreibung
Code	n8	M	Error code according to Paygate Response Codes (A4 Error codes)	Fehlercode gemäß Paygate Antwort-Codes (A4 Fehlercodes)

Description of result parameters within the record for Batch files