

# A3 AVS match parameters EN

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## AVS Match parameters

### Barclaycard

Following AVS parameters are returned for **Barclaycard** for all cards:

Code for „Match“	Description
F	Exact match
N	Neither address nor postal code match
U	AVS unavailable (card not checked)
P	Postcode matches, details of street in address does not match oder street matches with address, but not with postcode

### CAPN

Address Verification can be performed on a number of card schemes, subject to Issuer and Acquirer support. The result is returned as a code within the parameter **Match**. Following tables explain the meaning of the result values from different Acquirers.

Following AVS parameters are returned for American Express via **CAPN**:

Code for „Match“	Description
Y	Address and ZIP matches
N	Address and ZIP both did not match
A	only address matches
Z	only ZIP matches
U	Information not available
S	SE not allowed for AAV function
R	Retry, system unavailable
L	Name and ZIP match
M	Name, address and ZIP match
O	Name and address match
K	Name match
D	Name does not match and ZIP matches
E	Name does not match, address and ZIP match

F	Name does not match, address matches
W	Name, address and ZIP does not match

## CB2A

Address Verification can be performed on a number of card schemes, subject to Issuer and Acquirer support. The result is returned as a code within the parameter **Match**. Following tables explain the meaning of the result values from different Acquirers.

Following AVS parameters are returned for via **CB2A**:

Code for „Match“	Description
A	Postcode and address fully match
B	Postcode and address partially match
C	Postcode and address do not match
D	Control was not performed or was not performed for all data elements

## Chase

For **Chase** the original response code is forwarded. The address verification works only in USA, Canada and Great Britain. Basis is the submitted invoicing address and a submitted parameter "bdstreet2" if applicable. Following AVS parameters are returned for Chase for all cards:

Code for „Match“	Description	Beschreibung
I1	Postcode matches/+4 matches/LOCALE matches	Postleitzahl richtig/+4 richtig /LOCALE richtig
I2	Postcode matches/+4 matches/LOCALE does not match	Postleitzahl richtig/+4 richtig /LOCALE falsch
I3	Postcode matches/+4 does not match/LOCALE matches	Postleitzahl richtig/+4 falsch /LOCALE richtig
I4	Postcode matches/+4 does not match/LOCALE does not match	Postleitzahl richtig/+4 falsch /LOCALE falsch
I5	Postcode does not match /+4 matches/LOCALE matches	Postleitzahl falsch/+4 richtig /LOCALE richtig
I6	Postcode does not match /+4 matches/LOCALE does not match	Postleitzahl falsch/+4 richtig /LOCALE falsch
I7	Postcode does not match /+4 does not match /LOCALE matches	Postleitzahl falsch/+4 falsch /LOCALE richtig
I8	Postcode does not match /+4 does not match /LOCALE does not match	Postleitzahl falsch/+4 falsch /LOCALE falsch
N1	No address submitted	Keine Adresse übergeben
N2	Invoicing address which has passed the PTI checks	Rechnungsadresse hat PTI-Prüfungen nicht bestanden

Following AVS parameters are returned in case of **Chase for Mastercard**:

Code for „Match“	Description	Beschreibung
A	Address matches, postcode does not	Adresse richtig, Postleitzahl falsch
N	Neither address nor postal code matches	Weder Adresse noch Postleitzahl richtig
R	AVS system not available, try again	AVS-System nicht verfügbar, bitte erneut versuchen
S	AVS service not supported at this time	AVS-Service wird derzeit nicht unterstützt
U	No data from issuer /authorisation system	Keine Daten vom Issuer /Autorisierungssystem
W	For U.S. addresses: 9-digit postcode matches, but address does not  For non-U.S. addresses: postcode matches, but address does not	Für US-Adressen: 9-stellige Postleitzahl richtig, aber Adresse nicht  Für Adressen außerhalb der USA: Postleitzahl richtig, aber Adresse nicht
X	For U.S. addresses: Exact 9-digit postcode matches and address matches  For non-U.S.: exact postal code and address matches	Für US-Adressen: exakte 9-stellige Postleitzahl und Adresse richtig  Für Adressen außerhalb der USA: exakte Postleitzahl und Adresse richtig
Y	For U.S.: Exact 5-digit postcode and address matches	Für US-Adressen: exakte 5-stellige Postleitzahl und Adresse richtig
Z	5-digit postcode matches, but address does not	5-stellige Postleitzahl richtig, aber Adresse nicht

IG	Card issuer does not take part in Global AVS	Kartenaussteller nimmt nicht an Global AVS teil
IU	Card issuer does not take part in Global AVS (domestic issuer)	Kartenaussteller nimmt nicht an Global AVS teil (heimischer Aussteller)
ID	Card issuer does not take part in AVS	Kartenaussteller nimmt nicht an AVS teil
IE	Processing error – AVS data are invalid	Bearbeitungsfehler – AVS-Daten sind ungültig
IS	System unavailable	System nicht verfügbar
IA	International information about street and postcode CORRECT	Internationale Straßenangabe und Postleitzahl RICHTIG
IB	International street information CORRECT, Postcode not checked due to incompatible formats	Internationale Straßenangabe RICHTIG, Postleitzahl wegen inkompatibler Formate nicht geprüft
IC	International street information and postcode not checked due to incompatible formats	Internationale Straßenangabe und Postleitzahl wegen inkompatibler Formate nicht geprüft
IP	International postcode CORRECT, street information not checked due to incompatible formats	Internationale Postleitzahl RICHTIG, Straßenangabe wegen inkompatibler Formate nicht geprüft
A1	Name of the card holder matches	Name des Karteninhabers passt
A3	Name of the card holder, invoicing address and postcode matches	Name des Karteninhabers, Rechnungsadresse und Postleitzahl passen
A4	Name of the card holder and invoicing postcode matches	Name des Karteninhabers und Rechnungs-Postleitzahl passen
A7	Name of the card holder and invoicing address matches	Name des Karteninhabers und Rechnungsadresse passen
B3	Name of the card holder does not match, invoicing address and postcode matches	Name des Karteninhabers falsch, Rechnungsadresse und Postleitzahl passen
B4	Name of the card holder does not match and invoicing postcode matches	Name des Karteninhabers falsch, Rechnungs-Postleitzahl passt
B7	Name of the card holder does not match and invoicing address matches	Name des Karteninhabers falsch, Rechnungsadresse passt
B8	Name of the card holder, invoicing address and postcode does not match	Name des Karteninhabers, Rechnungsadresse und Postleitzahl sind falsch

Following AVS parameters are returned in case of **Chase for Chasenet and Visa**:

Following AVS parameters are returned in case of **Chase for Discover**:

Code for „Match“	Description	Beschreibung
A	Address matches, postcode does not	Adresse richtig, Postleitzahl falsch
G	Address information not verified for international transaction	Adresse für internationale Transaktion nicht geprüft
N	Neither address nor postal code matches	Weder Adresse noch Postleitzahl richtig
S	AVS service not supported at this time	AVS-Service wird derzeit nicht unterstützt
T	9-digit postcode matches, but address does not	9-stellige Postleitzahl richtig, aber Adresse nicht
U	Retry, system unable to process	Erneut versuchen, System arbeitet derzeit nicht
W	No data from issuer /authorisation system	Keine Daten vom Issuer /Autorisierungssystem
X	Address and 9-digit posrcode matches	Adresse und 9-stellige Postleitzahl richtig
Y	Address only matches	Nur Adresse richtig
Z	5-digit postcode matches, but address does not	5-stellige Postleitzahl richtig, aber Adresse nicht

Following AVS parameters are returned in case of **Chase for American Express**:

Code for „Match“	Description	Beschreibung
A	Address only is correct	Nur Adresse richtig
N	Neither address nor postal code matches	Weder Adresse noch Postleitzahl richtig
R	System unavailable, retry	System nicht verfügbar, bitte erneut versuchen
S	AVS service not supported at this time	AVS-Service wird derzeit nicht unterstützt
U	The necessary information is not available, account number is neither U.S. nor Canadian	Nötige Informationen sind nicht verfügbar, die Kontonummer ist weder aus den USA noch aus Kanada
Y	Address and postcode are both correct	Adresse und Postleitzahl sind richtig
Z	Postcode only is correct	Nur Postleitzahl ist richtig

Code for „Match“	Description	Beschreibung
A	Address matches, postcode does not	Adresse richtig, Postleitzahl falsch
B	Address matches, postcode not verified	Adresse richtig, Postleitzahl nicht geprüft
C	Address and postcode not checked due to incompatible formats	Adresse und Postleitzahl wegen inkompatibler Formate nicht geprüft
D	Address and postcode matches (international only)	Adresse und Postleitzahl richtig (nur international)
F	Address and postcode matches (UK only) Address and/or postcode matches (U.S. AFT only)	Adresse und Postleitzahl richtig (nur UK) Adresse und/oder Postleitzahl richtig (nur U.S. AFT)
G	Address not verified for international transaction (international only)	Adresse für internationale Transaktion nicht geprüft (nur international)
I	Address not verified (international only)	Adresse nicht geprüft (nur international)
M	Address and postcode matches (international only)	Adresse und Postleitzahl richtig (nur international)
N	Neither address nor postal code matches	Weder Adresse noch Postleitzahl richtig
P	Postcode matches, address not verified	Postleitzahl richtig, Adresse nicht geprüft
R	AVS system not available, try again later (domestic only)	AVS-System nicht verfügbar, bitte später erneut versuchen (nur Inland)
S	AVS service not supported at this time (domestic only)	AVS-Service wird derzeit nicht unterstützt (nur Inland)
U	Unable to perform address verification because either address information is unavailable or Issuer does not support AVS (domestic only)	Adressverifizierung nicht möglich, weil entweder Adressangaben nicht verfügbar sind oder der Issuer keine Adresseverifizierung unterstützt (nur Inland)
Y	Address & 5-digit or 9-digit postcode matches (domestic only)	Adresse & 5-stellige oder 9-stellige Postleitzahl richtig (nur Inland)
Z	Either 5-digit or 9-digit postcode matches, but address does not or is not included in request	Entweder 5-stellige oder 9-stellige Postleitzahl richtig, aber Adresse nicht oder in der Anfrage nicht enthalten

## Credorax

Following AVS parameters are returned in case of **Credorax**:

Code for „Match“	Description
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A	Address matches, ZIP does not
B	Address matches, postcode not available/checked
C	Address and postcode not checked
D	Address and postcode matches
F	Address and postcode matches (UK only)
G	No match, address not checked
I	Address not checked
M	Address and postcode matches
N	Neither address nor postal code match
P	Postcode matches, address incorrect
R	AVS system not available due to timeout, please retry
S	AVS service not supported by Issuer
U	Address information not available
W	US addresses: 9-digits postcode matches, address incorrect. For addresses outside the USA: Postcode matches, address incorrect
X	US addresses: 9-digits postcode and address matches
Y	US addresses: 5-digits postcode and address matches
Z	US addresses: 5-digits postcode matches, address incorrect

## Elavon USA (vixConex)

Following AVS parameters are returned for **Elavon USA (viaConex)** for all cards:

Code for „Match“	Description
A	Address (Street) matches, Zip does not
B	Street address match, Postal code in wrong format. (International issuer)
C	Street address and postal code in wrong formats
D	Street address and postal code match (international issuer)
E:	AVS Error
F	Address does compare and five-digit ZIP code does compare (UK only)
G	Card issued by a non-US issuer that does not participate in the AVS System
I	Address information not verified by international issuer
M	Street Address and Postal code match (international issuer)
N	No Match on Address (Street) or Zip
P	Postal codes match, Street address not verified due to incompatible formats
R	Retry, System unavailable or Timed out
S	Service not supported by Issuer
U	Address information is unavailable (domestic issuer)
W	9 digit Zip matches, Address (Street) does not
X	Exact AVS Match
Y	Address (Street) and 5 digit Zip match

Z	5 digit Zip matches, Address (Street) does not
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## GICC

Following AVS parameters are returned for **American Express** via **GICC**:

Code for „Match“	Description
F	Exact match
N	Neither address nor postal code match
U	AVS unavailable (card not checked)
Z	ZIP code matches, street address details erroneous
A	ZIP code did not match, street address matches

## Global Payments (Omnipay)

Following AVS parameters are returned for **VISA** cards via **Global Payments (Omnipay)**:

Code for „Match“	Description
A	Address matches ZIP does not
B	Street address matches, ZIP not verified
C	Street address not verified, ZIP not verified
D	Street and ZIP match
F	Street and ZIP match (UK customer)
G	AVS unavailable for this card/issuer
I	Address information not verified
M	Street and ZIP match
N	No match
P	ZIP code matches, street address details erroneous
R	AVS system unavailable
S	AVS unavailable for this card/issuer
U	AVS unavailable for this card/issuer
W	ZIP code matches, street address details erroneous
X	Street and ZIP match
Y	Street and ZIP match
Z	ZIP code matches, street address details erroneous

Following AVS parameters are returned for **MasterCard** cards via **Global Payments (Omnipay)**:

Code for „Match“	Description
A	Address matches ZIP does not
N	Neither address nor postal code match
R	AVS system unavailable
S	AVS unavailable for this card/issuer
U	AVS unavailable for this card/issuer
W	ZIP code matches, street address details erroneous
X	Street and ZIP match
Y	Street and ZIP match
Z	ZIP code matches, street address details erroneous

## Heartland

Following AVS parameters are returned for **Heartland** (for **addresses inside USA and Canada only**) for all cards (some values for VISA and Discover/JSB only):

Following AVS parameters are returned for **Heartland** for all cards within the **simplified AVS** mode:

Code for „Match“	Description
F	Exact match
N	Neither address nor postal code match
U	AVS unavailable (card not checked)
P	Either postcode matches, details of street in address does not match or street matches with address, but not with postcode

Code for „Match“	Description
A	Address matches ZIP does not
N	Neither address nor postal code match
R	Retry, System unavailable
U	AVS unavailable (S: in case of MasterCard and Amex)
U	No data from issuer/authorization system
W	9-digits postcode matches, address not (W: in case of MasterCard and Amex)
X	9-digits postcode and address matches (X: in case of MasterCard and Amex)
Y	5digits postcode and address matches
Z	5 digit postcode matches, address does not
G	AVS not checked for international transactions (not in case of MasterCard and Amex)
A	Address matches, postcode also or the request did not contain a postcode (international address, not in case of MasterCard and Amex)
B	Address matches, postcode not checked due to incompatible format (international address, not in case of MasterCard and Amex)
C	Address and postcode not checked due to incompatible format (international address, not in case of MasterCard and Amex)
D	Street number and postcode matches (international address, not in case of MasterCard and Amex)
I	Address values not checked for international transaction (not in case of MasterCard and Amex)
M	Street number and postcode matches (not in case of MasterCard and Amex)
P	Postcode matches, street number not checked due to incompatible format (international address, not in case of MasterCard and Amex)

## PayPalCC

Following AVS parameters are returned for **PayPalCC** for all cards:

Code for „Match“	Description
F	Exact match
N	Neither address nor postal code match
U	AVS unavailable (card not checked)
P	Either postcode matches, details of street in address does not match or street matches with address, but not with postcode

## Vantiv

In case of **Amex** via **Vantiv** following parameters are returned as 3-digit codes:

In case of **Vantiv** the returned values depend on the credit card. For **all cards except Amex** the following parameters are returned as 2-digit codes:

Code for „Match“	Description
00	5-digits postcode (Zip) and address matches
01	9-digits postcode (Zip) and address matches
02	Postcode and address matches
10	5-digits postcode (Zip) correct and address does not match
11	9-digits postcode (Zip) correct and address does not match
12	postcode (Zip) does not match and address matches
13	postcode does not match and address matches
14	Postcode matches, address not checked
20	Postcode and address does not match at all
30	AVS service not supported by Issuer
31	AVS system unavailable
32	Address not available
33	General error
34	AVS not executed
40	Address does not fulfil the Litle & Co. checks

Code for „Match“	Description
000	No match
001	Email matches, name and phone incorrect
002	Name and phone incorrect, Email not sent
003	Name and phone incorrect, no answer for Email
010	Phone matches, name and Email incorrect
011	Phone and Email matches, name incorrect
012	Phone matches, name incorrect, Email not sent
013	Phone matches, name incorrect, no answer for Email
020	Name and Email incorrect, phone not sent
021	Email matches, name incorrect and phone not sent
030	Name and Email incorrect, no answer for phone
031	Email matches, name incorrect, no answer for phone
033	Name incorrect, no answer for Email and phone
100	Name matches, phone and Email incorrect
101	Name and Email matches, phone incorrect
102	Name matches, phone incorrect, Email not sent
103	Name matches, phone incorrect, no answer for Email
110	Name and phones matches, Email incorrect
111	Full match
112	Name and phone matches, Email not sent
113	Name and phone matches, no answer for Email
120	Name matches, Email incorrect, phone not sent
121	Name and Email matches, phone not sent
130	Name matches, Email incorrect, no answer for phone
131	Name and Email matches, no answer for phone
133	Name matches, no answer for Email and phone
200	Name not sent, phone and Email incorrect
201	Name not sent, Email matches, phone incorrect
202	Name and Email not sent, phone incorrect
203	Name not sent, phone incorrect, no answer for Email
210	Name not sent, phone matches and Email incorrect
211	Name not sent, phone and Email matches
212	Name and Email not sent, phone matches
213	Name not sent, phone matches, no answer for Email
220	Name and phone not sent, Email incorrect



## Wirecard

Following AVS parameters are returned for **Wirecard** for all cards:

Code for „Match“	Description
F	Exact match
P	partial match
N	No match
U	AVS unavailable (card not checked)
E:	AVS Error