



Bürgel

Integration Guide

Version 6.2.1

As of: 04.10.2016

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Document history

Date	Name	Change
04.10.2016	Peter Posse	First version based on Manual 6.10

ABOUT BÜRGE

General information about Bürgel

Popular with customers, risky for the merchant: Payment methods such as direct debit or purchase on account involve a high level of default risk. Computop Paycontrol, an automated credit rating with all standard credit agencies, combines flexibility and payment security for online business.

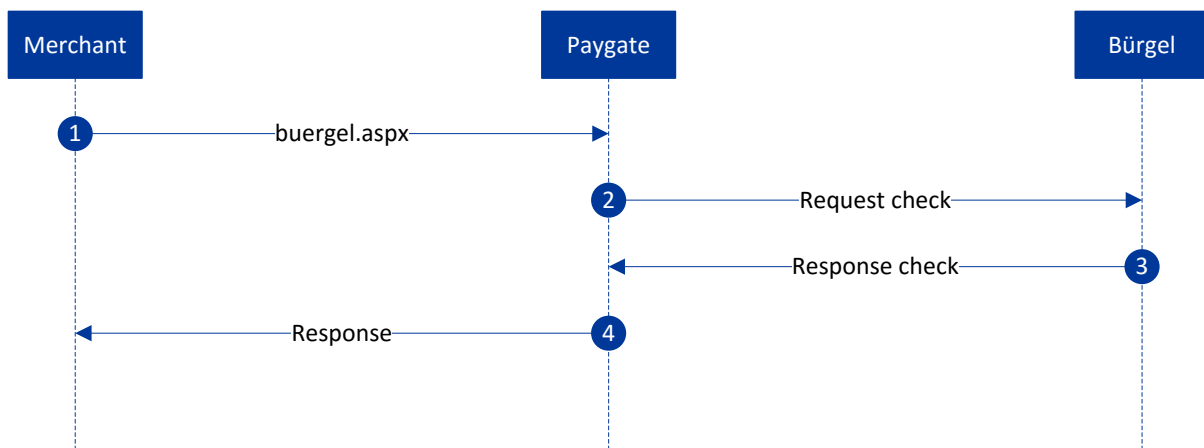
With Paycontrol you can, amongst other things, automatically obtain information from Bürgel without having to connect your shop system to individual information interfaces.



Commercial information from Bürgel contains 39 million points of data concerning individuals, 3.9 million points about companies, and 6.8 million concerning international debt collection, including Otto Group payment records.

Further information can be found on the webpage of Bürgel (<https://www.buergel.de/en>).

Process flow chart



Bürgel process flow within Paygate

PAYGATE INTERFACE FOR BÜRCEL

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
dtm	ISODateTime (YYYY-MM-DDDhh:mm:ss)

Abbreviations:

Abbreviation	Description
CND	condition
M	mandatory
O	optional
C	conditional

Calling the interface

To request a credit rating at Bürgel via a server-to-server connection, enter the following URL:

<https://www.computop-paygate.com/buergel.aspx>

Notice: For security reasons, 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:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	ans..64	M	Merchant transaction number, which must be unique
RefNr	ans..30	O	Unique reference number
OrderDesc	ans..768	M	Description of purchased goods, unit prices etc. Reference for customer and merchant
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
ProductName	n..30	M	Desired product (default value = 0042): 0040 = ConCheck 0042 = ConCheck basic 0043 = ConCheck plus 0044 = ConCheck jur 0045 = ConCheck jur. plus 0047 = ConCheck move 0048 = ConCheck jur. move
FirstName	ans..30	M	First name
LastName	ans..30	M	Company name or surname
DateOfBirth	ans..10	O	Date of birth in the format <DD.MM.YYYY>
AddrStreet	ans..30	M	Street name
AddrStreetNr	ans..10	M	Street number
AddrCity	ans..30	M	City
AddrZip	n..5	M	Postcode
AddrCountryCode	n3	O	Country code of the country of origin, 3 digits according to ISO 3166 Presently only Germany = 276 and Federal Republic of Germany = 280 possible.
Language	n1	M	Delivery language of the report (default value = 1): 1 = German 2 = English 3 = French 4 = Spanish 5 = Italian
E-Mail	ans..80	O	E-mail address
Phone	ans..20	O	Telephone number (only numbers 0-9, '/', '-' and spaces permitted)

Parameters for the Bürgel credit rating

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

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the transaction, e.g. for referencing in batch files.
XID	an32	M	ID assigned by Paygate for the transactions to an enquiry Transactions are, for example, address verification, credit rating.
TransID	ans..64	M	Merchant's transaction number
RefNr	ans..30	O	Merchant's unique reference number
Status	a..50	M	OK or FAILED
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	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
Result	a..8	M	Recommended action (traffic light): RED = high risk of non-payment or no score value configured; GREEN = low risk of non-payment
CodeExt	n..3	C	Return/error code from Bürgel (optional, only in the case of error)
FehlerHinweisText	ans..60	C	Error message text from Bürgel (optional, only if "CodeExt" is NOT "00000000")
FehlerZusatzText	ans..60	C	Error message additional text from Bürgel (optional, only if "CodeExt" is NOT "00000000")
ASNR	n..9	C	Credit agency number of the customer (optional, only if CodeExt=00000000)
ANF_NR	n..9	C	Enquiry number of the customer (optional, only if CodeExt=00000000)
FirstName	ans..30	C	First name (Optional, only if CodeExt=00000000)
LastName	ans..30	C	Last name (Optional, only if CodeExt=00000000)
DateOfBirth	ans..10	C	Date of birth (Optional, only if CodeExt=00000000 AND DateOfBirth has also been transferred)
AddrStreet	ans..30	C	Street name (Optional, only if CodeExt=00000000)
AddrStreetNr	ans..10	C	House number (Optional, only if CodeExt=00000000)
AddrZip	n..5	C	Postcode (Optional, only if CodeExt=00000000)
AddrCity	ans..30	C	City (Optional, only if CodeExt=00000000)
AddrCountryCode	n3	C	Country code, 3-digits according to ISO 3166 (Optional, only if CodeExt=00000000)
E-Mail	ans..80	C	Email address (optional, only if CodeExt=00000000 AND the email address has also been transferred)
Phone	ans..20	C	Telephone number (optional, only if "CodeExt" = "00000000" AND the telephone number has also been transferred)
AnschrHerkunft	n1	C	0 = output data corresponds to input 1 = requested person/address found in DB 2 = entry found in history, output data updated 3 = personal data from entry, address corrected 4 = entry data found in DB after correction (optional, only if "CodeExt" = "00000000")

AnschrHerkunftText	ans..60	C	Text for origin ID (optional, only if "CodeExt" = "00000000")
ScoreWert	n..4	C	Score value within the range 0000-0060 (optional, only if "CodeExt" = "00000000")
HinweisText	ans..80	C	Descriptive text for the score value (optional, only if "CodeExt" = '00000000')
The following negative features are returned only if "CodeExt" = "00000000", the ProductName is not "ConCheck basic" AND negative features exist for the requested person. "(n)" is a sequential number, in case several negative features are returned.			
NegArtCode(n)	n..4	O	Negative article code
NegArtText(n)	ans..30	O	Negative article text
NegArtAnz(n)	n..4	O	Number of entries for the negative article
NegBetrag(n)	n..12	O	Sum of principal debts, including two places after the decimal point (only in case of debt collection). CAUTION! The value is returned without a decimal point.
NegBetragWkz(n)	a3	O	Currency ID (only in case of debt collection)
NegDatum(n)	a10	O	Date of the last entry in the format DD.MM.YYYY
NegAktENZEICHEN(n)	ans..20	O	Reference number of the last entry, if available
NegPLZAmtsgericht(n)	ans..10	O	Postcode of the district court
NegOrtAmtsgericht(n)	ans..30	O	Town of the district court
Connections to companies are returned only if "CodeExt" = "00000000", the ProductName is not "ConCheck basic" AND connections to companies exist for the requested person. "(n)" is a sequential number, in case several connections to companies are returned.			
VhONR(n)	n..9	O	Unique object number in the Bürgel system
VhName(n)	ans..30	O	Name
VhPLZ(n)	ans..10	O	Postcode
VhOrt(n)	ans..30	O	City
VhStaat(n)	n3	O	Country code of the country, 3 digits according to ISO 3166
VhStaatText(n)	ans..30	O	Name of the state

Result parameters for Bürgel credit rating