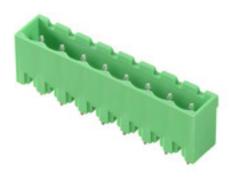


#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com





### **General ordering data**

Order No.	<u>2649740000</u>
Туре	CH 5.08/11/180G 3.9SN GN BX
GTIN (EAN)	4050118637236
Qty.	120 pc(s).
Product data	IEC: 630 V / 15 A
	UL: 300 V / 15 A
Packaging	Вох



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# **Technical data**

-			
Dim	ensions	and	weights

Net weight	4.29 g		

### **System specifications**

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 "	Outgoing elbow	180°
Number of poles	11	Number of solder pins per pole	1
Solder pin length (I)	3.9 mm	Solder pin dimensions	1.0 x 1.0 mm
Solder eyelet hole diameter (D)	1.6 mm	L1 in mm	50.8 mm
L1 in inches	2 "	Number of rows	1
Pin series quantity	1		

#### **Material data**

Insulating material	PA GF	Colour	Pale green
Colour chart (similar)	RAL 6021	Insulating material group	1
UL 94 flammability rating	V-0	Contact base material	Cu-alloy
Contact material	Cu-alloy	Contact surface	tinned
Tinning type	matt	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-40 °C
Operating temperature, max.	105 °C		

#### Rated data acc. to IEC

Rated current, min. number of pol	es	Rated voltage for surge voltage cla	iss /	
(Tu=20°C)	15 A	pollution degree II/2	630 V	
Rated voltage for surge voltage class /		Rated voltage for surge voltage cla	iss /	
pollution degree III/2	320 V	pollution degree III/3	250 V	
Rated impulse voltage for surge voltage		Rated impulse voltage for surge vo	ltage	
class/ pollution degree II/2	4 kV	class/ pollution degree III/2	4 kV	
Rated impulse voltage for surge vo	oltage			
class/ contamination degree III/3	4 kV			

# Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	15 A	Rated current (Use group D / CSA)	10 A

### Rated data acc. to UL 1059

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V	
Rated current (Use group B / CSA)	15 A	Rated current (Use group D / CSA)	10 A	

Institute (cURus)



Certificate No. (cURus)

			E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	15 A	Rated current (Use group D / UL 1059)	10 A
Reference to approval values	Specifications are maximum values, details - see		



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# Technical data

### **Packing**

Packaging	Box	VPE length	171 mm
VPE width	133 mm	VPE height	51 mm

## Classifications

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 9.0	27-44-04-02
ECLASS 9.1	27-44-04-02	ECLASS 10.0	27-44-04-02
ECLASS 11.0	27-46-02-01	ECLASS 12.0	27-46-02-01
ECLASS 13.0	27-46-02-01	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

# **Approvals**

IS
IS



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

#### **Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption	
REACH SVHC	No SVHC above 0.1 wt%	

#### Important note

Notes

- Only compatible with OMNIMATE basic products
- P on drawing = pitch
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

# **Downloads**

Catalogues	Catalogues in PDF-format

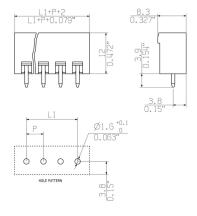


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# **Drawings**





# Recommended wave solderding profiles

#### Weidmüller Interface GmbH & Co. KG

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# Single Wave:



#### **Double Wave:**



# Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.