Data sheet

SL 5.00/03/90 3.2AU BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image





Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Version	PCB plug-in connector, male header, closed side, THT solder connection, 5.00 mm, Number of poles: 3, 90°, Solder pin length (l): 3.2 mm, Gold-plated, black, Box
Order No.	1394800000
Type	SL 5.00/03/90 3.2AU BK BX
GTIN (EAN)	4050118195750
Qty.	100 items
Product data	IEC: 400 V UL:
Packaging	Box
Delivery status	Discontinued
Available until	2025-08-31T00:00:00+02:00

Creation date 19.02.2026 05:50:08 MEZ

Data sheet

SL 5.00/03/90 3.2AU BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	12 mm	Depth (inches)	0.4724 inch
Height	11.6 mm	Height (inches)	0.4567 inch
Height of lowest version	8.4 mm	Width	15 mm
Width (inches)	0.5906 inch	Net weight	0.95 g

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption	
REACH SVHC	No SVHC above 0.1 wt%	
Product Carbon Footprint	Cradle to gate	0,010 kg CO2 eq.

System specifications

Product family	OMNIMATE Signal - series BL/SL 5.00	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	5.00 mm
Pitch in inches (P)	0.197 "	Outgoing elbow	90°
Number of poles	3	Solder pin length (l)	3.2 mm
Solder pin length tolerance	+0.1 / -0.2 mm	Solder pin dimensions	d = 1.2 mm, Octagonal
Solder pin dimensions = d tolerance	0 / -0,03 mm	L1 in mm	10.00 mm
L1 in inches	0.394 "	Number of rows	1
Pin series quantity	2	Touch-safe protection acc. to DIN VDE 57 106	finger-safe unplugged/ back-of-hand-safe plugged
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged	Protection degree	IP20
Plugging force/pole, max.	10 N	Pulling force/pole, max.	8 N

Material data

Insulating material	PBT	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	Gold-plated	Layer structure of solder connection	1...3 µm Ni / 2...4 µm Sn matt
Layer structure of plug contact	1...3 µm Ni / 2...4 µm Sn / 1.7...2.3 µm Au	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C		

SL 5.00/03/90 3.2AU BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, max. number of poles (Tu=20°C)	14.5 A
Rated current, min. number of poles (Tu=40°C)	15 A	Rated voltage for surge voltage class / pollution degree II/2	400 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4000 V
Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV		

Rated data acc. to UL 1059

Institute (UR)	UR	Certificate No. (UR)	E60693
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	0.00 mm
VPE width	0.00 mm	VPE height	0.00 mm

Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
Notes	• 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

Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

SL 5.00/03/90 3.2AU BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

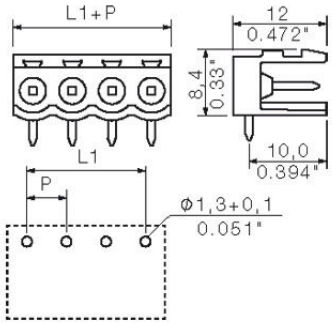
www.weidmueller.com

Drawings

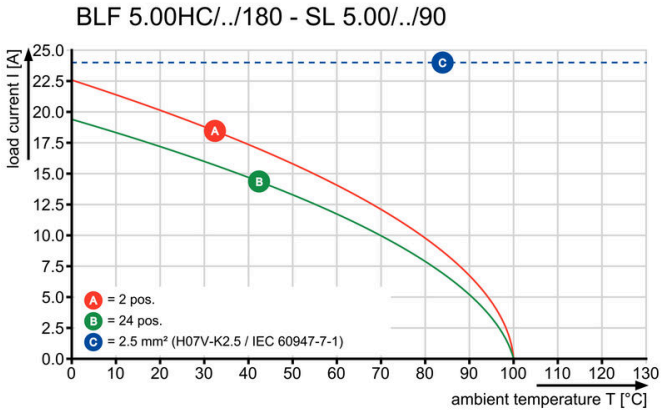
Product image



Dimensional drawing



Graph



Graph

