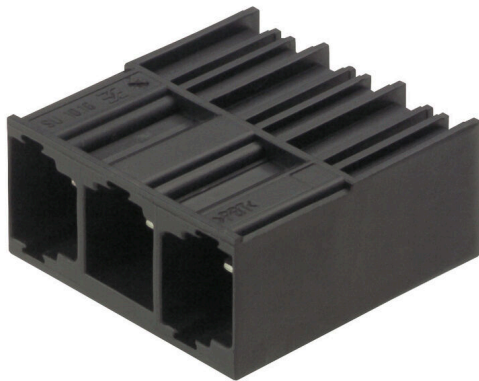


SU-SMT 10.16HP/02/90G 2.1AG BK RL

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

www.weidmueller.com



Similar to illustration

OMNIMATE Power BU / SU 10.16HP - the 50 kVA power class

More current for higher performance.

Top of the class in today's connector systems – the OMNIMATE Power SU / BUZ 10.16HP. They feature a very durable contact system which makes it a pluggable power transmission solution with maximum load reserves. HP stands for High Performance – performance exemplified by a long-term usage temperature of 120°C. This custom, pluggable solution is suitable for all applications that must meet 600 V UL or 1,000 V (IEC) with up to 76 A (IEC) and 54 A (UL).

General ordering data

Version	PCB plug-in connector, male header, closed side, THT/THR solder connection, 10.16 mm, Number of poles: 2, 90°, Solder pin length (l): 2.1 mm, silver-plated, black, Tape
Order No.	2726240000
Type	SU-SMT 10.16HP/02/90G 2.1AG BK RL
GTIN (EAN)	4050118797428
Qty.	110 items
Product data	IEC: 1000 V / 78.3 A UL:
Packaging	Tape

Creation date 27.04.2026 08:01:44 MEZ

Catalogue status / Drawings

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Technical data

Dimensions and weights

Net weight 4.78 g

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	N, N-dimethylacetamide 127-19-5, Decamethylcyclotetrasiloxane 541-02-6, Dodecamethylcyclohexasiloxane 540-97-6, Octamethylcyclotetrasiloxane 556-67-2, Dicyclohexyl phthalate 84-61-7
SCIP	ed8ca6cc-6477-4e1b-ab94-f8911f5554de

System specifications

Product family	OMNIMATE Power - series BU/SU 10.16	Mounting onto the PCB	THT/THR solder connection
Pitch in mm (P)	10.16 mm	Pitch in inches (P)	0.400 "
Outgoing elbow	90°	Number of poles	2
Number of solder pins per pole	3	Solder pin length (l)	2.1 mm
Solder pin length tolerance	+0.1 / -0.3 mm	Solder pin dimensions	1.2 x 1.1 mm
Solder pin dimensions = d tolerance	+0.1 / -0.1 mm	Solder eyelet hole diameter (D)	1.6 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	10.16 mm
L1 in inches	0.400 "	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged	Volume resistance	2.00 mΩ
Can be coded	Yes		

Material data

Insulating material	PA GF HT3	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	3
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	silver-plated	Layer structure of solder connection	2...4 μm
Layer structure of plug contact	2...4 μm	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	120 °C		

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	78.3 A
Rated current, max. number of poles (Tu=20°C)	67.9 A	Rated current, min. number of poles (Tu=40°C)	70.6 A
Rated current, max. number of poles (Tu=40°C)	61.3 A	Rated voltage for surge voltage class / pollution degree II/2	1000 V
Rated voltage for surge voltage class / pollution degree III/2	1000 V	Rated voltage for surge voltage class / pollution degree III/3	690 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	6 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	8 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	8 kV	Short-time withstand current resistance	3 x 1s mit 1000 A
Creepage distance, min.	10.5 mm	Clearance, min.	8.9 mm

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Technical data

Rated data acc. to UL 1059

Creepage distance, min.	10.5 mm	Clearance distance, min.	8.9 mm
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Packing

Packaging	Tape	VPE length	482.00 mm
VPE width	380.00 mm	VPE height	78.00 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	<ul style="list-style-type: none"> • Additional variants on request • Rated current related to rated cross-section & min. No. of poles. • P on drawing = pitch • 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

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		

Dimensional drawing

