OMNIMATE Power - series BV/SV 7.62IT
SV 7.62IT/03/90MF2 3.5SN BK BX

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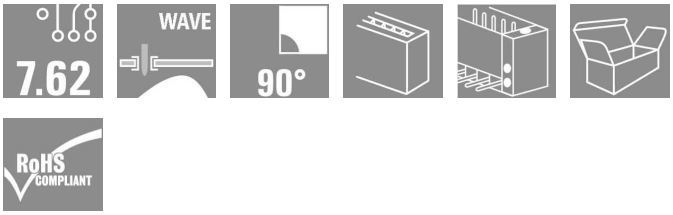

90° pin header in 7.62 pitch with solder flange for 400-V IT systems according to IEC 61800-5-1.
UL approval according to UL840 600 V.
When used together with a BLZ 7.62 IT socket block, they comply with the expanded requirements for 5.5 mm of touch protection with IT systems (400 V relative to earth), according to IEC 61800-5-1.
When no socket block is present, the mating profile ensures that more than 3 mm of touch safety is present with a finger pressure of 20 N.
The middle flange interlocks automatically and is optionally available with screw connection. It decreases the space required by one pitch width when compared to other standard solutions.
Available on request with screw flange or without flange.

- 1000 V (IEC) / 300 V (UL)
- 41 A (IEC) / 35 A (UL)
- 600 V is possible with UL 840 device approval

General ordering data

Type	SV 7.62IT/03/90MF2 3.5SN BK BX
Order No.	1156550000
Version	PCB plug-in connector, male header, closed side, Middle flange, Solder connection, 7.62 mm, No. of poles: 3, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box
GTIN (EAN)	4032248943487
Qty.	60 pc(s).
Product data	IEC: 1000 V / 41 A UL: 300 V / 40.5 A
Packaging	Box

Erstellungs-Datum December 17, 2013 12:48:26 PM CET

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Technische Daten

Dimensions and weights

Net weight	6.672 g

System parameters

Product family	OMNIMATE Power - series BV/SV 7.62IT	Mounting onto the PCB	Solder connection
Outgoing elbow	270°	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	No. of poles	3
Solder pin length (l)	3.5 mm	Pin dimensions	0.8 x 1.0 mm
Can be coded	Yes	Number of solder pins per pole	2
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
L1 in mm	22.86 mm	L1 in inches	0.9 inch
Insulation resistance	> 10^{10} Ω	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged		

Material data

Insulating material	PA GF	Colour	Black
Insulating material group	II	UL 94 flammability rating	V-0
CTI	≥ 500	Contact material	Cu-Leg
Contact surface	tinned	Max. relative humidity during storage	80 %

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	41 A	Rated current, max. no. of poles (Tu=20°C)	41 A
Rated current, number of poles (Tu=40°C), min	41 A	Rated current, number of poles (Tu=40°C), max.	41 A
Rated voltage for surge voltage class pollution degree III/3	630 V	Rated impulse voltage for surge voltage classcontamination degree III/3	6 kV
Rated voltage for surge voltage class pollution degree III/2	630 V	Rated impulse voltage for surge voltage classpollution degree III/2	6 kV
Rated voltage for surge voltage class pollution degree II/2	1,000 V	Rated impulse voltage for surge voltage classpollution degree II/2	6 kV
Short-time withstand current resistance	3 x 1s with 420 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	35 A	Rated voltage (Use group C)	300 V
Rated current (use group C)	35 A	Rated voltage (use group D)	600 V
Rated current (use group D)	5 A		

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	40.5 A
Rated voltage (use group C)	300 V	Rated current (use group C)	40.5 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A

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Classifications

eClass 6.2	27-26-07-04	eClass 7.1	27-44-04-02

Notes

Notes	• Additional colours 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. • MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3

Approvals

Approvals	
ROHS	Conform

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Zeichnungen

