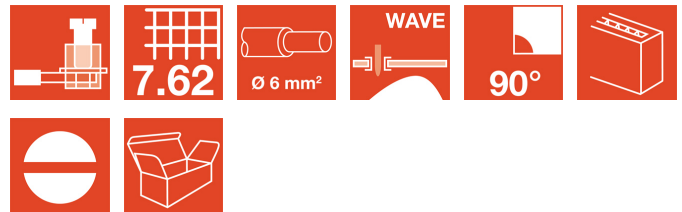


LP
LP 7.62/02/90 3.2SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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This PCB terminal provides connections for 1000 V, 6 mm² conductor cross-section and 32 A with proven clamping yoke connection at 7.50 mm and 7.62 mm pitch, conductor outlet direction in 90° and 180° design.

- 0.20 - 6.0mm² (IEC) / 26 - 12 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

General ordering data

Order No.	1594460000
Type	LP 7.62/02/90 3.2SN OR BX
Version	PCB terminal, 7.62 mm, No. of poles: 2, 90°, Solder pin length: 3.2 mm, tinned, orange, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm ² , Box
Product data	IEC: 1000 V / 32 A / 0.5 - 6 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12
EAN	4008190093679
Qty.	100 pc(s).
Packaging	Box

Creation date October 19, 2011 5:43:14 AM CEST

Last update 04.10.2011 / We reserve the right to make technical changes.

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Technical data

System characteristics

Product family	LP	Conductor connection system	Clamping yoke connection
Mounting onto the PCB	Solder connection	Outgoing direction of conductor	90°
Pitch, in mm	7.62 mm	Pitch, in inches	0.3 inch
No. of poles	2	Fitted by customer	Yes
Max. adjacent poles per row	16	Number of rows	1
Solder pin length	3.2 mm	Diameter of solder eyelet	1.3 mm
Tolerance of the diameter of the solder eyelet	+ 0,1 mm	Number of solder pins per pole	1
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 3	Stripping length	6 mm
L1 in mm	7.62 mm	L1 in inches	0.3 inch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57106	Safe from finger touch

Material data

Insulating material	PA	Colour	orange
Flammability class UL 94	V-2	CTI	≥ 600
Temperature of glow-wire test	750 °C	Duration of glow-wire test	30 s
Contact material	Copper alloy	Contact surface	tinned
Contact base material	Copper alloy		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm ²	Clamping range, rated connection, max.	6 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.5 mm ²	Solid, max. H05(07) V-U	6 mm ²
Stranded, max. H07V-R	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²	Plug gauge acc. to EN 60999 a x b; ø	2.8 mm x 2.4 mm; 3.0 mm

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	32 A	Rated current, max. no. of poles (Tu=20°C)	32 A
Rated current, number of poles (Tu=40°C), min	32 A	Rated current, number of poles (Tu=40°C), max.	30.5 A
Rated voltage for surge voltage class / pollution degree II/2	1,000 V	Rated voltage for surge voltage class / pollution degree III/2	500 V
Rated voltage for surge voltage class / pollution degree III/3	500 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	6 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	6 kV
Short-time withstand current resistance	3 x 1s with 120 A		

CSA rating data

Rated voltage (Use group B)	300 V	Rated current (use group B)	20 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12

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Technical data

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	20 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12

Classifications

ETIM 3.0	EC001284	ETIM 4.0	EC002643
UNSPSC	30-21-18-01	eClass 6.0	27-26-11-01

Approvals

Approvals	CSA; GOSTME25; UR; ROHS
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Notes

- | | |
|-------|---|
| Notes | <ul style="list-style-type: none"> • Additional colours on request • Rated current related to rated cross-section and min. No. of poles.
 • Wire end ferrule without plastic collar to DIN 46228/1 • Wire end ferrule with plastic collar to DIN 46228/4
 • P on drg. = 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. |
|-------|---|

