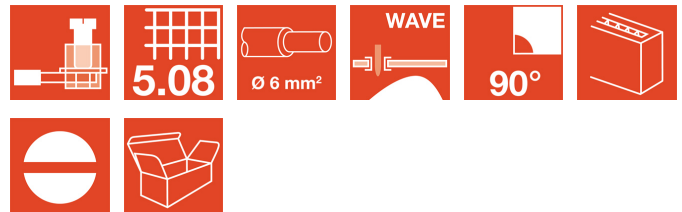


**LP**  
**LP 5.08/03/90 3.2SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
www.weidmueller.com



This PCB terminal provides connections for 32 A and 6 mm<sup>2</sup> conductor cross-section with proven clamping yoke connection at 5.00 and 5.08 mm pitch, conductor outlet direction in 90°, 135° and 180° design, with extensive auxiliary functions.

- 0.20 - 6.0mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

**General ordering data**

Order No.	<a href="#">1592830000</a>
Type	LP 5.08/03/90 3.2SN OR BX
Version	PCB terminal, 5.08 mm, No. of poles: 3, 90°, Solder pin length: 3.2 mm, tinned, orange, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box
Product data	IEC: 500 V / 32 A / 0.5 - 6 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12
EAN	4008190054595
Qty.	100 pc(s).
Packaging	Box

Creation date October 19, 2011 5:28:08 AM CEST

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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	5.08 mm	Pitch, in inches	0.2 inch
No. of poles	3	Fitted by customer	Yes
Max. adjacent poles per row	24	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	10.16 mm	L1 in inches	0.4 inch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57	106 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 <sup>2</sup>	Clamping range, rated connection, max.	6 mm <sup>2</sup>
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 <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	4 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
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)	30.5 A
Rated current, number of poles (Tu=40°C), min	32 A	Rated current, number of poles (Tu=40°C), max.	25 A
Rated voltage for surge voltage class / pollution degree II/2	500 V	Rated voltage for surge voltage class / pollution degree III/2	250 V
Rated voltage for surge voltage class / pollution degree III/3	250 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	4 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

# Datasheet

**LP**  
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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"> <li>• Additional colours on request</li> <li>• Rated current related to rated cross-section and min. No. of poles.</li> <br/> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <br/> <li>• P on drg. = pitch</li> <br/> <li>• 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.</li> </ul> |
|-------|---|

