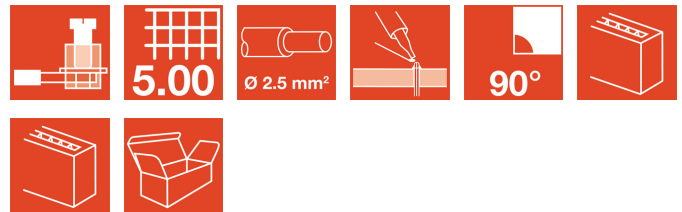


**System LM**  
**LM 5.00/10/90 3.5SN OR BX**

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



PCB terminal with proven clamping yoke connection at 5.00 and 5.08 mm pitch. Conductor outlet direction 90°, 135° and 180°. Suitable for conductor cross-sections up to 2.5 mm².

- 0.13 - 2.50 mm² (IEC) / 26 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 20 A (UL)

**General ordering data**

Order No.	<a href="#">1845360000</a>
Type	LM 5.00/10/90 3.5SN OR BX
Version	PCB terminal, 5.00 mm, No. of poles: 10, 90°, Solder pin length: 3.5 mm, tinned, orange, Clamping yoke connection, Clamping range, rated connection, max.: 2.5 mm², Box
Product data	IEC: 630 V / 17.5 A / 0.2 - 2.5 mm² UL: 300 V / 20 A / AWG 24 - AWG 14
EAN	4032248359080
Qty.	50 pc(s).
Packaging	Box

Creation date April 20, 2011 9:14:38 PM CEST

Last update 31.03.2010 / We reserve the right to make technical changes.

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## Technical data

### System parameters

Product family	System LM	Conductor connection system	Clamping yoke connection
Fitted to PCB	Solder connection	Outgoing direction of conductor	90°
Pitch in mm	5 mm	Pitch in inch	0.197 inch
No. of poles	10	Fitted by customer	Yes
Max. adjacent poles per row	24	No. of rows	1
Solder pin length	3.5 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.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5	Stripping length	6 mm
L1 in mm	45 mm	L1 in inch	1.772 inch
Electric shock protection to DIN VDE 0470	IP 20	Electric shock protection to DIN VDE 57 106	Safe from finger touch

### Material data

Insulating material	Wemid (PA)	Colour	orange
Flammability class UL 94	V-0	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.	0.2 mm <sup>2</sup>	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>
Conductor connection cross-section AWG, min.	AWG 24	Conductor connection cross-section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm <sup>2</sup>	with wire end ferrule, DIN 46228 pt 1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>	with plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
Gauge to EN 60999 a x b; ø	2.4 mm x 1.5 mm; 1.9mm		

### DIN IEC rating data

Rated current, min. No. of poles (Tu=20°C)	17.5 A	Rated current, max. No. of poles (Tu=20°C)	16 A
Rated current, no. of poles (Tu=40°C), min.	17.5 A	Rated current, no. of poles (Tu=40°C), max.	14.2 A
Rated voltage for overvoltage class/pollution severity II/2	630 V	Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage at overvoltage category/pollution degree III/3	250 V	Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV	Rated impulse withstand voltage for overvoltage class/pollution severity 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 24	Wire cross-section, AWG, max.	AWG 14

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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 24	Wire cross-section, AWG, max.	AWG 14

### Classifications

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

### Approvals

Approvals	CSA; CURUS; GOSTME25; ROHS
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### Notes

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

CAD Library (P-CAD Format - ASCII)	<a href="#">LM.LIA</a>
CAD Library (P-CAD Format - Standard)	<a href="#">LM.lib</a>

**Datasheet**

**System LM  
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**Drawings**

