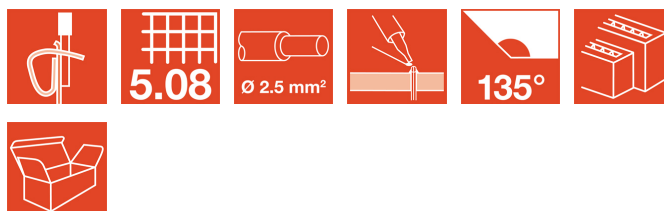


LMZF LM2NZF 5.08/20/135 3.5SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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The high-performance device interface with a high connection density, for standard 2.5mm² cross-section wires. Multi-tier PCB terminal in 5.08 mm pitch, with the maintenance-free tension clamp connection in 135° outlet direction.

Rated data:

- 15A / 630V (IEC) or 10A / 300V (UL)
- 0.20 - 2.5mm² (IEC) / 26 - 14 AWG (UL)
- Flammability class according to UL 94: V2

Application benefits:

- Simple change of connection method - layout is compatible with multi-tier screw terminals.

General ordering data

Order No.	1758020000
Type	LM2NZF 5.08/20/135 3.5SN OR BX
Version	PCB terminal, 5.08 mm, No. of poles: 20, 135°, Solder pin length: 3.5 mm, tinned, orange, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box
Product data	IEC: 630 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 24 - AWG 14
EAN	4032248103126
Qty.	20 pc(s).
Packaging	Box

Creation date November 7, 2011 1:48:42 PM CET

Last update 28.10.2011 / We reserve the right to make technical changes.

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Technical data

System characteristics

Product family	LMZF	Conductor connection system	Tension clamp connection
Mounting onto the PCB	Solder connection	Outgoing direction of conductor	135°
Pitch, in mm	5.08 mm	Pitch, in inches	0.2 inch
No. of poles	20	Fitted by customer	No
Number of rows	2	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-A	Stripping length	7.5 mm
L1 in mm	45.72 mm	L1 in inches	1.8 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
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.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
Plug gauge acc. to EN 60999 a x b; ø	2.4 mm x 1.5 mm		

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	15 A	Rated current, max. no. of poles (TU=20°C)	12 A
Rated current, number of poles (Tu=40°C), min.	13 A	Rated current, number of poles (Tu=40°C), max.	10 A
Rated voltage for surge voltage class / pollution degree II/2	630 V	Rated voltage for surge voltage class / pollution degree III/2	320 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

CSA rating data

Rated voltage (Use group B)	300 V	Rated current (use group B)	10 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

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	10 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**Classifications**

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

Approvals

Approvals	GOSTME25
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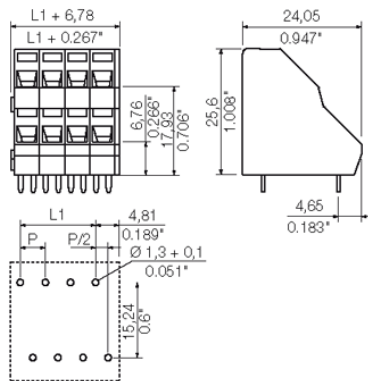
Notes

Notes	• 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.
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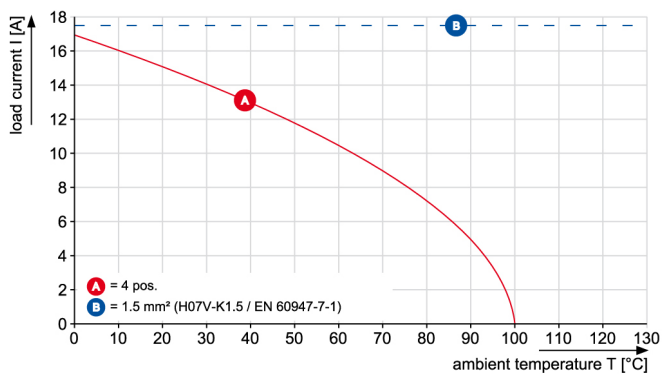
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Drawings



LM2NZF 5.08/..135



LM3RZF 5.08/..135

