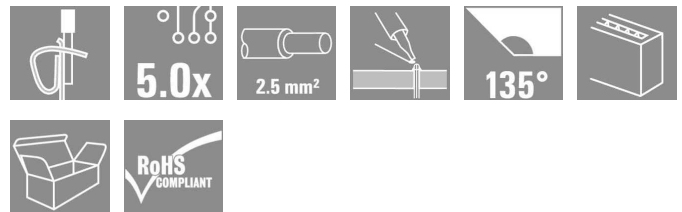


OMNIMATE Signal - series LMZF LMZF 5/9/135 3.5OR

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



The compact installation terminal for the standard wire cross-section size of 2.5mm².
Tension clamp connection with a 135° outlet direction, in variable pitch: 5.00 - 5.08 mm (1 part with 2 pitches).

Rated data:

- 24A at 40°C / 630V (IEC) or 15A / 300V (UL)
- 0.13 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- Flammability class according to UL 94: V0

Application benefits:

- Safe: ATEX certification Ex II 2GD / Ex e II (KEMA07 ATAEX0047U) optional
- Temperature resistant: long-term resistance up to 120°C provided by high-performance Wemid insulation material
- Adaptable: simple pitch adaptation from 5.00 to 5.08 mm (0.200 inch)
- Convenient: optional lever for simple opening of terminal point

General ordering data

Type	LMZF 5/9/135 3.5OR
Order No.	1914050000
Version	PCB terminal, 5.00 mm, No. of poles: 9, 135°, Solder pin length (l): 3.5 mm, tinned, Orange, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box
GTIN (EAN)	4032248544622
Qty.	100 pc(s).
Product data	IEC: 630 V / 24 A / 0.13 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 14
Packaging	Box

Erstellungs-Datum January 27, 2014 9:40:29 AM CET

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Technische Daten

Dimensions and weights

Net weight 9.878 g

System characteristics

Product family	OMNIMATE Signal - series LMZF	Wire connection method	Tension clamp connection
Mounting onto the PCB	Solder connection	Conductor outlet direction	135°
Pitch in mm (P)	5 mm	Pitch in inches (P)	0.197 inch
No. of poles	9	Fitted by customer	No
Max. adjacent poles per row	48	Solder pin length (l)	3.5 mm
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)+	0.1 mm
Number of solder pins per pole	2	Screwdriver blade	0.4 x 2.5
Screwdriver blade standard	DIN 5264-A	Stripping length	6 mm
L1 in mm	40 mm	L1 in inches	1.575 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	Wemid (PA)	Colour	Orange
UL 94 flammability rating	V-0	CTI	≥ 600
Contact material	E-Cu	Contact surface	tinned
Contact base material	E-Cu		

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 26	Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.13 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.13 mm ²	Flexible, max. H05(07) V-K	2.5 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

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	24 A	Rated current, max. no. of poles (Tu=20°C)	24 A
Rated current, number of poles (Tu=40°C), min	24 A	Rated current, number of poles (Tu=40°C), max.	24 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

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Technische Daten

CSA rating data

Institute (CSA)



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 14

UL 1059 rating data

Rated voltage (use group B) 300 V

Rated current (use group B) 15 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 14

Classifications

ETIM 3.0

EC001284

UNSPSC

30-21-18-11

eClass 5.1

27-26-11-01

eClass 6.2

27-26-11-01

eClass 7.1

27-44-04-01

Notes

Notes

- Rated current related to rated cross-section & 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 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.

Approvals

Approvals



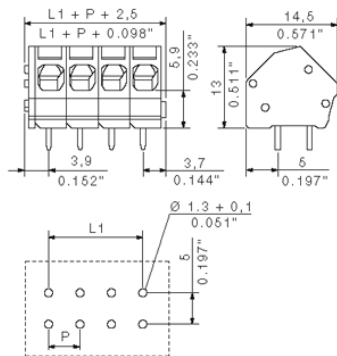
ROHS

Conform

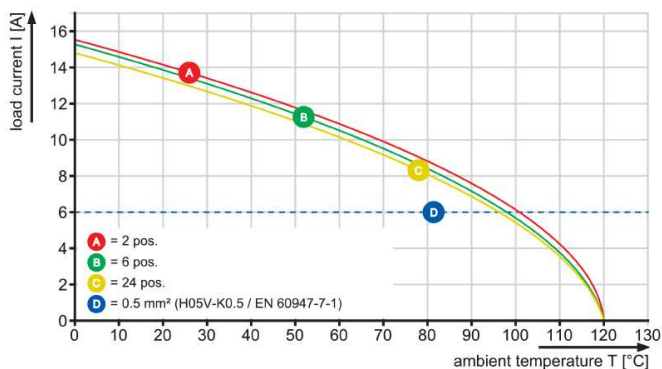
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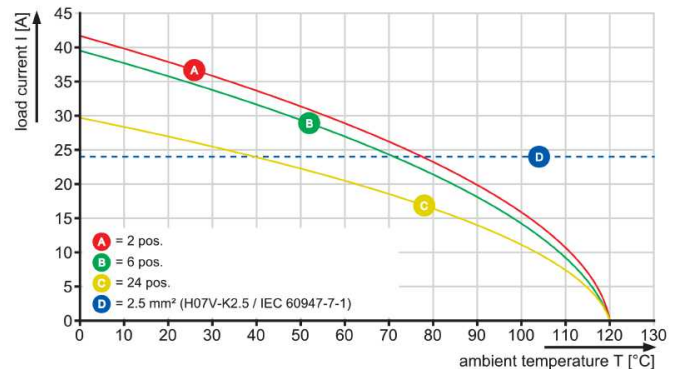
Zeichnungen



LMZFL 5/./135



LMZFL 5/./135



LMZF 5/./135

