



#### General ordering data

Order No.	1953960000
Part designation	LMZFL 10/5/135 3.5OR
Version	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 5, 135°, Box
EAN	4032248662906
Qty.	100 pc(s).

#### System parameters

Product family	System LM
Conductor connection system	Tension clamp connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	135°
Pitch	10 mm
Pitch in inch	0.394 inch
No. of poles	5
Max. adjacent poles per row	12
Solder pin length	3.5 mm
Dia. of fitting hole	1.3 mm
No. of solder pins per pole	2
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264-A
Stripping length	6 mm
L1 in mm	40 mm
L1 in inch	1.575 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

#### Material data

Insulating material	Wemid (PA)
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	I
Flammability class UL 94	V-0

**Material data**

CTI	>= 600
Contact base material	E-Cu
Contact surface	tinned
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C

**Connectable conductors**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	26
AWG, max.	14
Solid, min. H05(07) V-U	0.13 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.13 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>

**DIN IEC rating data**

Rated current, min. No. pins (Tu=20°C)	24 A
Rated current, max. No. pins (Tu=20°C)	24 A
Rated current, min. No. pins (Tu=40°C)	24 A
Rated current, max. No. pins (Tu=40°C)	24 A
Rated voltage for overvoltage class/pollution severity II/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/3	500 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	8 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	8 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	8 kV

**CSA rating data**

Rated current (Use group C)	15 A
Rated voltage (Use group C)	150 V
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	14

**UL 1059 rating data**

Rated voltage (Use group C)	150 V
Rated current (Use group C)	15 A
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

**UL 1059 rating data**

AWG conductor, min.	26
AWG conductor, max.	14

**Approvals**

Approvals institutes

**Downloads**

CAD Library (P-CAD Format - Standard)	LMZFL.LIB
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**Classifications**

eClass 5.1	27-26-11-01
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**Similar products**

Order No.	Part designation	Version
1953930000	LMZFL 10/2/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 2, 135°, Box
1953580000	LMZFL 10/2/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 2, 135°, Box
1953820000	LMZFL 10/2/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 2, 135°, Box
1953710000	LMZFL 10/2/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 2, 135°, Box
1953940000	LMZFL 10/3/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 3, 135°, Box
1953590000	LMZFL 10/3/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 3, 135°, Box
1953830000	LMZFL 10/3/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 3, 135°, Box
1953720000	LMZFL 10/3/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 3, 135°, Box
1953950000	LMZFL 10/4/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 4, 135°, Box
1953600000	LMZFL 10/4/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 4, 135°, Box

1953840000	LMZFL 10/4/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 4, 135°, Box
1953730000	LMZFL 10/4/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 4, 135°, Box
1953610000	LMZFL 10/5/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 5, 135°, Box
1953850000	LMZFL 10/5/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 5, 135°, Box
1953740000	LMZFL 10/5/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 5, 135°, Box
1953970000	LMZFL 10/6/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 6, 135°, Box
1953620000	LMZFL 10/6/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 6, 135°, Box
1953860000	LMZFL 10/6/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 6, 135°, Box
1953750000	LMZFL 10/6/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 6, 135°, Box
1953980000	LMZFL 10/7/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 7, 135°, Box
1953630000	LMZFL 10/7/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 7, 135°, Box
1953870000	LMZFL 10/7/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 7, 135°, Box
1953760000	LMZFL 10/7/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 7, 135°, Box
1953990000	LMZFL 10/8/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 8, 135°, Box
1953640000	LMZFL 10/8/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 8, 135°, Box
1953880000	LMZFL 10/8/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 8, 135°, Box
1953770000	LMZFL 10/8/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 8, 135°, Box

1954000000	LMZFL 10/9/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 9, 135°, Box
1953650000	LMZFL 10/9/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 9, 135°, Box
1953890000	LMZFL 10/9/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 9, 135°, Box
1953780000	LMZFL 10/9/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 9, 135°, Box
1954010000	LMZFL 10/10/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 10, 135°, Box
1953660000	LMZFL 10/10/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 10, 135°, Box
1953900000	LMZFL 10/10/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 10, 135°, Box
1953790000	LMZFL 10/10/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 10, 135°, Box
1954020000	LMZFL 10/11/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 11, 135°, Box
1953670000	LMZFL 10/11/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 11, 135°, Box
1953910000	LMZFL 10/11/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 11, 135°, Box
1953800000	LMZFL 10/11/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 11, 135°, Box
1954030000	LMZFL 10/12/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 12, 135°, Box
1953680000	LMZFL 10/12/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 12, 135°, Box
1953920000	LMZFL 10/12/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 12, 135°, Box
1953810000	LMZFL 10/12/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 10.00 mm, No. of poles: 12, 135°, Box