



General ordering data

Order No.	1953930000
Part designation	LMZFL 10/2/135 3.5OR
Version	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 10.00 mm, No. of poles: 2, 135°, Box
EAN	4032248662784
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	2
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	10 mm
L1 in inch	0.394 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 ²
Clamping range, max.	2.5 mm ²
AWG, min.	26
AWG, max.	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
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm ²
With wire end ferrule, acc. to DIN 46 228/1, 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. 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
1953580000	LMZFL 10/2/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 10.00 mm, No. of poles: 4, 135°, Box
1953960000	LMZFL 10/5/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 10.00 mm, No. of poles: 5, 135°, Box
1953610000	LMZFL 10/5/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 10.00 mm, No. of poles: 12, 135°, Box