



General ordering data

Order No.	1953470000
Part designation	LMZF 10/2/135 3.5OR
Version	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 10.00 mm, No. of poles: 2, 135°, Box
EAN	4032248661909
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

**Classifications**

eClass 5.1	27-26-11-01
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Similar products

Order No.	Part designation	Version
1953120000	LMZF 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
1953360000	LMZF 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
1953230000	LMZF 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
1953480000	LMZF 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
1953130000	LMZF 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
1953370000	LMZF 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
1953240000	LMZF 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
1953490000	LMZF 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
1953140000	LMZF 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
1953380000	LMZF 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
1953250000	LMZF 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

1953500000	LMZF 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
1953150000	LMZF 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
1953390000	LMZF 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
1953260000	LMZF 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
1953510000	LMZF 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
1953160000	LMZF 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
1953400000	LMZF 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
1953270000	LMZF 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
1953520000	LMZF 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
1953170000	LMZF 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
1953410000	LMZF 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
1953280000	LMZF 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
1953530000	LMZF 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
1953180000	LMZF 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
1953420000	LMZF 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
1953290000	LMZF 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
1953540000	LMZF 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

1953190000	LMZF 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
1953430000	LMZF 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
1953300000	LMZF 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
1953550000	LMZF 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
1953200000	LMZF 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
1953440000	LMZF 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
1953310000	LMZF 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
1953560000	LMZF 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
1953210000	LMZF 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
1953450000	LMZF 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
1953320000	LMZF 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
1953570000	LMZF 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
1953220000	LMZF 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
1953460000	LMZF 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
1953340000	LMZF 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