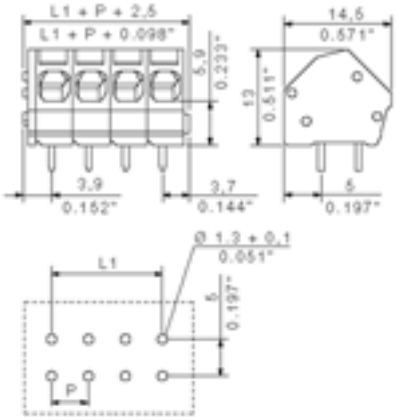








General ordering data	
Order No.	1811910000
Part designation	LMZF 5/9/135 3.5SW
Version	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 9, 135°, Box
EAN	4032248291083
Qty.	100 pc(s).

System parameters	
Product family	System LM
Conductor connection system	Tension clamp connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	135°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	9
Max. adjacent poles per row	48
No. of rows	1
Solder pin length	3.5 mm
Dia. of fitting hole	1.3 mm
No. of solder pins per pole	2
Screwdriver blade	0.4 x 2.5
Screwdriver blade standard	DIN 5264-A

System parameters	
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	black
colour chart	Similar to RAL 9011
Insulating material group	I
Flammability class UL 94	V-0
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 mm²
Clamping range, max.	2.5 mm²
AWG, min.	26
AWG, max.	14
Solid, min. H05(07) V-U	0.13 mm²
Solid, max. H05(07) V-U	2.5 mm²
Flexible, min. H05(07) V-K	0.13 mm²
Flexible, max. H05(07) V-K	2.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm²

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	630 V
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV

CSA rating data	
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 D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	14

Approvals

Approvals institutes

Downloads

CAD Library (P-CAD Format - Standard)	LMZF.lib

Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

Similar products

Order No.	Part designation	Version
1913780000	LMZF 5/2/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 2, 135°, Box
1811840000	LMZF 5/2/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 2, 135°, Box
1811950000	LMZF 5/2/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 2, 135°, Box

1812060000	LMZF 5/2/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 2, 135°, Box
1913820000	LMZF 5/3/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1811850000	LMZF 5/3/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1811960000	LMZF 5/3/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1812070000	LMZF 5/3/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1913960000	LMZF 5/4/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1811860000	LMZF 5/4/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1811970000	LMZF 5/4/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1812080000	LMZF 5/4/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1914000000	LMZF 5/5/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1811870000	LMZF 5/5/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1811980000	LMZF 5/5/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1812090000	LMZF 5/5/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1914020000	LMZF 5/6/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 6, 135°, Box
1811880000	LMZF 5/6/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 6, 135°, Box
1811990000	LMZF 5/6/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 6, 135°, Box
1812100000	LMZF 5/6/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 6, 135°, Box

1914030000	LMZF 5/7/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1811890000	LMZF 5/7/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1812000000	LMZF 5/7/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1812110000	LMZF 5/7/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1914040000	LMZF 5/8/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1811900000	LMZF 5/8/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1812010000	LMZF 5/8/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1812120000	LMZF 5/8/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1914050000	LMZF 5/9/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 9, 135°, Box
1812020000	LMZF 5/9/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 9, 135°, Box
1812130000	LMZF 5/9/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 9, 135°, Box
1914070000	LMZF 5/10/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1811920000	LMZF 5/10/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1812030000	LMZF 5/10/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1812140000	LMZF 5/10/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1914080000	LMZF 5/11/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 11, 135°, Box
1811930000	LMZF 5/11/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 11, 135°, Box

1812040000	LMZF 5/11/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 11, 135°, Box
1812150000	LMZF 5/11/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 11, 135°, Box
1914090000	LMZF 5/12/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1811940000	LMZF 5/12/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1812050000	LMZF 5/12/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1812160000	LMZF 5/12/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1960140000	LMZF 5/13/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1959760000	LMZF 5/13/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1960020000	LMZF 5/13/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1959880000	LMZF 5/13/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1960150000	LMZF 5/14/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1959770000	LMZF 5/14/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1960030000	LMZF 5/14/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1959890000	LMZF 5/14/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1960160000	LMZF 5/15/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 15, 135°, Box
1959780000	LMZF 5/15/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 15, 135°, Box
1960040000	LMZF 5/15/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 15, 135°, Box

1959900000	LMZF 5/15/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 15, 135°, Box
1960170000	LMZF 5/16/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1959790000	LMZF 5/16/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1960050000	LMZF 5/16/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1959910000	LMZF 5/16/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1960180000	LMZF 5/17/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1959800000	LMZF 5/17/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1960060000	LMZF 5/17/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1959920000	LMZF 5/17/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1960190000	LMZF 5/18/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1921410000	LMZF 5/18/135 3.5 SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1960070000	LMZF 5/18/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1959930000	LMZF 5/18/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1960200000	LMZF 5/19/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 19, 135°, Box
1959820000	LMZF 5/19/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 19, 135°, Box
1960080000	LMZF 5/19/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 19, 135°, Box
1959940000	LMZF 5/19/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 19, 135°, Box

1960210000	LMZF 5/20/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1959830000	LMZF 5/20/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1960090000	LMZF 5/20/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1959950000	LMZF 5/20/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1960220000	LMZF 5/21/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1959840000	LMZF 5/21/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1960100000	LMZF 5/21/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1959960000	LMZF 5/21/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1960230000	LMZF 5/22/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1959850000	LMZF 5/22/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1960110000	LMZF 5/22/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1959970000	LMZF 5/22/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1960240000	LMZF 5/23/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1959860000	LMZF 5/23/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1960120000	LMZF 5/23/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1959980000	LMZF 5/23/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1960250000	LMZF 5/24/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 24, 135°, Box

1959870000	LMZF 5/24/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 24, 135°, Box
1960130000	LMZF 5/24/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 24, 135°, Box
1959990000	LMZF 5/24/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.00 mm, No. of poles: 24, 135°, Box