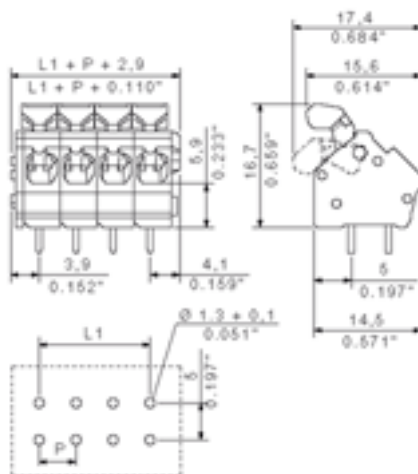




General ordering data

Order No.	1811580000
Part designation	LMZFL 5/9/135 3.5SW
Version	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 135°, Box
EAN	4032248290680
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
Stripping length	6 mm

System parameters

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.	-55 °C
Storage temperature, max.	120 °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	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
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CSA rating data

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)	LMZFL.LIB
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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
1914560000	LMZFL 5/2/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 135°, Box
1811510000	LMZFL 5/2/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 135°, Box
1811620000	LMZFL 5/2/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 135°, Box

1811730000	LMZFL 5/2/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 135°, Box
1914580000	LMZFL 5/3/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1811520000	LMZFL 5/3/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1811630000	LMZFL 5/3/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1811740000	LMZFL 5/3/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 135°, Box
1914590000	LMZFL 5/4/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1811530000	LMZFL 5/4/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1811640000	LMZFL 5/4/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1811750000	LMZFL 5/4/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 135°, Box
1914600000	LMZFL 5/5/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1811540000	LMZFL 5/5/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1811650000	LMZFL 5/5/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1811760000	LMZFL 5/5/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 135°, Box
1914640000	LMZFL 5/6/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 135°, Box
1811550000	LMZFL 5/6/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 135°, Box
1811660000	LMZFL 5/6/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 135°, Box
1811770000	LMZFL 5/6/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 135°, Box

1914720000	LMZFL 5/7/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1811560000	LMZFL 5/7/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1811670000	LMZFL 5/7/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1811780000	LMZFL 5/7/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 135°, Box
1914790000	LMZFL 5/8/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1811570000	LMZFL 5/8/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1811680000	LMZFL 5/8/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1811790000	LMZFL 5/8/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 135°, Box
1914830000	LMZFL 5/9/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 135°, Box
1811690000	LMZFL 5/9/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 135°, Box
1811800000	LMZFL 5/9/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 135°, Box
1914860000	LMZFL 5/10/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1811590000	LMZFL 5/10/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1811700000	LMZFL 5/10/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1811810000	LMZFL 5/10/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 135°, Box
1914990000	LMZFL 5/11/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 135°, Box
1811600000	LMZFL 5/11/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 135°, Box

1811710000	LMZFL 5/11/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 135°, Box
1811820000	LMZFL 5/11/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 135°, Box
1915030000	LMZFL 5/12/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1811610000	LMZFL 5/12/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1811720000	LMZFL 5/12/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1811830000	LMZFL 5/12/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 135°, Box
1958320000	LMZFL 5/13/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1957720000	LMZFL 5/13/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1958070000	LMZFL 5/13/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1957920000	LMZFL 5/13/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 13, 135°, Box
1958330000	LMZFL 5/14/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1957730000	LMZFL 5/14/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1958080000	LMZFL 5/14/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1957930000	LMZFL 5/14/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 14, 135°, Box
1958350000	LMZFL 5/15/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 15, 135°, Box
1957740000	LMZFL 5/15/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 15, 135°, Box
1958100000	LMZFL 5/15/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 15, 135°, Box

1957940000	LMZFL 5/15/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 15, 135°, Box
1958370000	LMZFL 5/16/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1957750000	LMZFL 5/16/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1958110000	LMZFL 5/16/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1957950000	LMZFL 5/16/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 16, 135°, Box
1958390000	LMZFL 5/17/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1957760000	LMZFL 5/17/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1958140000	LMZFL 5/17/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1957970000	LMZFL 5/17/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 17, 135°, Box
1958410000	LMZFL 5/18/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1957770000	LMZFL 5/18/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1958150000	LMZFL 5/18/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1957980000	LMZFL 5/18/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 18, 135°, Box
1958440000	LMZFL 5/19/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 19, 135°, Box
1957790000	LMZFL 5/19/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 19, 135°, Box
1958170000	LMZFL 5/19/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 19, 135°, Box
1957990000	LMZFL 5/19/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 19, 135°, Box

1958450000	LMZFL 5/20/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1957810000	LMZFL 5/20/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1958180000	LMZFL 5/20/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1958000000	LMZFL 5/20/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 20, 135°, Box
1958470000	LMZFL 5/21/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1957840000	LMZFL 5/21/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1958200000	LMZFL 5/21/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1958010000	LMZFL 5/21/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 21, 135°, Box
1958490000	LMZFL 5/22/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1957860000	LMZFL 5/22/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1958210000	LMZFL 5/22/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1958020000	LMZFL 5/22/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 22, 135°, Box
1958500000	LMZFL 5/23/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1957870000	LMZFL 5/23/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1958220000	LMZFL 5/23/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1958030000	LMZFL 5/23/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 23, 135°, Box
1958510000	LMZFL 5/24/135 3.5OR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 24, 135°, Box

1957890000	LMZFL 5/24/135 3.5SW	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 24, 135°, Box
1958240000	LMZFL 5/24/135 3.5GR	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 24, 135°, Box
1958050000	LMZFL 5/24/135 3.5GN	PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 24, 135°, Box