



#### General ordering data

Order No.	1673720000
Part designation	SLZF 5.08/19/90B SN OR
Version	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 90°, Box
EAN	4008190435431
Qty.	20 pc(s).

#### System parameters

Conductor connection system	Tension clamp connection
Outgoing direction of conductor	90°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	19
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264-A
Stripping length	10 mm
L1 in mm	91.44 mm
L1 in inch	3.6 inch
Electric shock protection to DIN VDE 0470	Finger-safe plugged/ back-of-hand-safe unplugged

#### Material data

Insulating material	PBT
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200
Contact base material	CuSn
Contact surface	tinned

#### Connectable conductors

Clamping range, min.	0.08 mm <sup>2</sup>
Clamping range, max.	3.31 mm <sup>2</sup>
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 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.	0.2 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
Gauge to EN 60999 a x b; ø	2.8 mm x 2.0 mm;

#### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	20.5 A
Rated current, max. No. pins (Tu=20°C)	15 A
Rated current, min. No. pins (Tu=40°C)	18 A
Rated current, max. No. pins (Tu=40°C)	13 A
Rated voltage for overvoltage class/pollution severity II/2	400 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
Short-time withstand current resistance	3 x 1s with 120 A

#### 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.	12

#### UL 1059 rating data

Rated voltage (Use group D)	300 V
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#### UL 1059 rating data

Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	12

#### Approvals

Approvals institutes



#### Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

#### Similar products

Order No.	Part designation	Version
1673550000	SLZF 5.08/2/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°, Box
1673560000	SLZF 5.08/3/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
1673570000	SLZF 5.08/4/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1673580000	SLZF 5.08/5/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 90°, Box
1673590000	SLZF 5.08/6/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1673600000	SLZF 5.08/7/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°, Box
1673610000	SLZF 5.08/8/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Box

1673620000	SLZF 5.08/9/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1673630000	SLZF 5.08/10/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1673640000	SLZF 5.08/11/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 90°, Box
1673650000	SLZF 5.08/12/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1673660000	SLZF 5.08/13/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 90°, Box
1673670000	SLZF 5.08/14/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 90°, Box
1673680000	SLZF 5.08/15/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 90°, Box
1673690000	SLZF 5.08/16/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 90°, Box
1673700000	SLZF 5.08/17/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 90°, Box
1673710000	SLZF 5.08/18/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 90°, Box
1673730000	SLZF 5.08/20/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 90°, Box
1673740000	SLZF 5.08/21/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 90°, Box
1673750000	SLZF 5.08/22/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 90°, Box
1673760000	SLZF 5.08/23/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 90°, Box
1673770000	SLZF 5.08/24/90B SN OR	PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 90°, Box