



### General ordering data

Order No.	1594340000
Type	LPP5.00/2/90 3.2 OR
EAN	4008190018054
Qty	100

### System parameters

Series	LP series
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	5,00 mm
Pitch in inch	0,197 inch
Number of poles	2
Fitted by customer	yes
No. of rows	1
Length of soldering post	3,2 mm
Dia. of fitting hole	1,3 mm
Fitting hole tolerance	+ 0.1 mm
No. of solder pins per pole	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0,5 Nm
Tightening torque, max.	0,6 Nm
Clamping screw	M 3
Stripping length	6 mm
L1 in mm	5,00 mm
L1 in inch	0,197 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

### Material data

Insulation material	PA
Colour	orange
Insulating material group	I
UL 94 combustibility class	V-2
CTI	>= 600
Temperature of glow-wire test	750 °C
Duration of glow-wire test	30 S
Contact base material	Cu alloy
Contact surface	tinned
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C

**Connectable conductors**

Clamping range, min.	0,13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0,5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 mm <sup>2</sup>
fine-stranded, min. H05(07) V-U	0,5 mm <sup>2</sup>
fine-stranded, max. H05(07) V-U	4 mm <sup>2</sup>
Wire end ferrule , DIN 46 228/1, min.	0,5 mm <sup>2</sup>
Wire end ferrule , DIN 46 228/1, max.	2,5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0,5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	2,5 mm <sup>2</sup>
Gauge to EN 60999 a x b; ø	2.8 mm x 2.4 mm; 3.0 mm

**DIN IEC rating data**

Rated current, min. No. pins (Tu=20°C)	32 A
Rated current, max. No. pins (Tu=20°C)	30,5 A
Rated current, min. No. pins (Tu=40°C)	32 A
Rated current, max. No. pins (Tu=40°C)	25 A
Rated voltage for overvoltage class/pollution severity II/2	500 V
Rated voltage for overvoltage class/pollution severity III/2	250 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	300 V
Rated current	10 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	12

**UL 1059 rating data**

Rated voltage	300 V
Rated current	10 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	12

**Approvals**

Approvals



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### Classifications

ETIM 2.0	NK
eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

### Related products

Order No.	Type	Number of poles
1594350000	LPP5.00/3/90 3.2 OR	3