



System parameters

Series	LP series
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	180°
Pitch	5,00 mm
Pitch in inch	0,197 inch
Number of poles	3
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	10,00 mm
L1 in inch	0,394 inch
Electric shock protection to DIN VDE 0470	IP 10
Electric shock protection to DIN VDE 0470	Safe from back-of-hand 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 ²
Clamping range, max.	6 mm ²
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0,5 mm ²
Solid, max. H05(07) V-U	6 mm ²
fine-stranded, min. H05(07) V-U	0,5 mm ²
fine-stranded, max. H05(07) V-U	4 mm ²
Wire end ferrule , DIN 46 228/1, min.	0,5 mm ²
Wire end ferrule , DIN 46 228/1, max.	2,5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0,5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2,5 mm ²
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, min. (CSA)	26
AWG conductor, max. (CSA)	12

UL 1059 rating data

Rated voltage	300 V
Rated current	10 A
AWG conductor, min. (UL 1059)	26
AWG conductor, max. (UL 1059)	12

Approvals

Approvals



Classifications

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

General ordering data

Order No.	1761340000
Short text for material	LP5.00/3/180 3.2 OR
EAN	4032248121595

- 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.	Short text for material	Number of poles
1761330000	LP5.00/2/180 3.2 OR	2