



General ordering data

Order No.	1594500000
Part designation	LP5.00/2/90 4.5 OR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
EAN	4008190138059
Qty.	100 pc(s).

System parameters

Product family	System LP
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	2
Fitted by customer	yes
Max. adjacent poles per row	24
No. of rows	1
Solder pin length	4.5 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
No. of solder pins per pole	1

System parameters

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 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

Insulating material	PA
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	I
Flammability class UL 94	V-2
CTI	>= 600
Temperature of glow-wire test	750 °C
Duration of glow-wire test	30 S
Contact base material	Copper 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
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.5 mm ²
With wire end ferrule, acc. to 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

DIN IEC rating data

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

Approvals

Approvals institutes



Downloads

CAD Library (P-CAD Format - Standard)	LP.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
1594320000	LP5.00/2/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1724240000	LP5.00/2/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1696060000	LP5.00/2/90 4.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box

1594330000	LP5.00/3/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1594510000	LP5.00/3/90 4.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1696070000	LP5.00/3/90 4.5 SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1608310000	LP5.00/4/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1714870000	LP5.00/4/90 3.2 GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1759100000	LP5.00/5/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1608330000	LP5.00/6/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1608340000	LP5.00/6/90 4.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1844480000	LP5.00/7/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1608350000	LP5.00/8/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1608360000	LP5.00/8/90 4.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1753300000	LP5.00/9/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1608370000	LP5.00/10/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1608380000	LP5.00/10/90 4.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1844490000	LP5.00/11/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1608390000	LP5.00/12/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1608410000	LP5.00/16/90 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.00 mm, No. of poles: 16, 90°, Box

1741040000 LP5.00/18/90 4.5 OR

PCB terminal, Clamping yoke connection, Soldered connection,
Clamping range, max.: 6 mm², Pitch: 5.00 mm, No. of poles: 18, 90°,
Box

1608440000 LP5.00/24/90 4.5 OR

PCB terminal, Clamping yoke connection, Soldered connection,
Clamping range, max.: 6 mm², Pitch: 5.00 mm, No. of poles: 24, 90°,
Box