



#### General ordering data

Order No.	1844610000
Part designation	LP2N5.08/40 3.2 OR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 40, 90°, Box
EAN	4032248356874
Qty.	10 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	5.08 mm
Pitch in inch	0.2 inch
No. of poles	40
Fitted by customer	yes
Max. adjacent poles per row	48
No. of rows	2
Solder pin length	3.2 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	96.52 mm
L1 in inch	3.8 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 <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>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.5 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.	0.5 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)	28 A
Rated current, min. No. pins (Tu=40°C)	32 A
Rated current, max. No. pins (Tu=40°C)	24 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)	LP2N.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
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1635140000	LP2N5.08/4 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1625540000	LP2N5.08/6 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1596460000	LP2N5.08/8 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1596510000	LP2N5.08/10 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1844510000	LP2N5.08/12 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1844520000	LP2N5.08/14 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 90°, Box
1596530000	LP2N5.08/16 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 90°, Box
1844530000	LP2N5.08/18 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 90°, Box
1596570000	LP2N5.08/20 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 90°, Box
1844540000	LP2N5.08/22 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 90°, Box
1596610000	LP2N5.08/24 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 90°, Box
1844550000	LP2N5.08/26 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 26, 90°, Box
1844560000	LP2N5.08/28 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 28, 90°, Box
1596650000	LP2N5.08/30 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 30, 90°, Box
1844570000	LP2N5.08/32 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 32, 90°, Box
1844580000	LP2N5.08/34 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 34, 90°, Box
1844590000	LP2N5.08/36 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 36, 90°, Box

1844600000	LP2N5.08/38 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 38, 90°, Box
1844620000	LP2N5.08/42 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 42, 90°, Box
1844630000	LP2N5.08/44 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 44, 90°, Box
1844640000	LP2N5.08/46 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 46, 90°, Box
1844650000	LP2N5.08/48 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 48, 90°, Box