



General ordering data

Order No.	1596650000
Part designation	LP2N5.08/30 3.2 OR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 30, 90°, Box
EAN	4008190037956
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	30
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	71.12 mm
L1 in inch	2.8 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 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)	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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 5.08 mm, No. of poles: 28, 90°, Box
1844570000	LP2N5.08/32 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , 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 ² , 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 ² , 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 ² , Pitch: 5.08 mm, No. of poles: 38, 90°, Box

1844610000	LP2N5.08/40 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 40, 90°, Box
1844620000	LP2N5.08/42 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , 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 ² , 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 ² , 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 ² , Pitch: 5.08 mm, No. of poles: 48, 90°, Box