

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	50.8 mm
L1 in inch	2 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)	30 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)	LP3R.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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1653930000	LP3R5.08/6 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
1596320000	LP3R5.08/9 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1596340000	LP3R5.08/12 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
1596360000	LP3R5.08/15 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 15, 90°, Box
1596380000	LP3R5.08/18 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
1844790000	LP3R5.08/21 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 21, 90°, Box
1596400000	LP3R5.08/24 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
1844800000	LP3R5.08/27 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 27, 90°, Box
1596420000	LP3R5.08/30 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 30, 90°, Box
1844820000	LP3R5.08/36 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
1844830000	LP3R5.08/39 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 39, 90°, Box
1844840000	LP3R5.08/42 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
1844850000	LP3R5.08/45 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 45, 90°, Box
1844860000	LP3R5.08/48 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
1844870000	LP3R5.08/51 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 51, 90°, Box
1844880000	LP3R5.08/54 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 54, 90°, Box
1844890000	LP3R5.08/57 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 57, 90°, Box

1844900000	LP3R5.08/60 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 60, 90°, Box
1844910000	LP3R5.08/63 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 63, 90°, Box
1844920000	LP3R5.08/66 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 66, 90°, Box
1844930000	LP3R5.08/69 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 69, 90°, Box
1844940000	LP3R5.08/72 3.2 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm ² , Pitch: 5.08 mm, No. of poles: 72, 90°, Box