



#### 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	35.56 mm
L1 in inch	1.4 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)	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
---------------------------------------	----------

#### 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
-----------	------------------	---------

1653930000	LP3R5.08/6 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
1596320000	LP3R5.08/9 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: 9, 90°, Box
1596340000	LP3R5.08/12 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
1596360000	LP3R5.08/15 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: 15, 90°, Box
1596380000	LP3R5.08/18 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
1844790000	LP3R5.08/21 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: 21, 90°, Box
1844800000	LP3R5.08/27 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: 27, 90°, Box
1596420000	LP3R5.08/30 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
1844810000	LP3R5.08/33 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: 33, 90°, Box
1844820000	LP3R5.08/36 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
1844830000	LP3R5.08/39 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: 39, 90°, Box
1844840000	LP3R5.08/42 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
1844850000	LP3R5.08/45 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: 45, 90°, Box
1844860000	LP3R5.08/48 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
1844870000	LP3R5.08/51 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: 51, 90°, Box
1844880000	LP3R5.08/54 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: 54, 90°, Box
1844890000	LP3R5.08/57 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: 57, 90°, Box

1844900000	LP3R5.08/60 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: 60, 90°, Box
1844910000	LP3R5.08/63 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: 63, 90°, Box
1844920000	LP3R5.08/66 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: 66, 90°, Box
1844930000	LP3R5.08/69 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: 69, 90°, Box
1844940000	LP3R5.08/72 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: 72, 90°, Box