



#### CSA rating data

AWG conductor, min. (CSA)	26
Rated voltage, user group D	300 V
Rated (nominal) current, user group D	10 A
AWG conductor, max. (CSA)	12

#### DIN IEC rating data

Rated voltage for overvoltage class/pollution severity III/2	250 V
Rated voltage for overvoltage class/pollution severity II/2	500 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Rated current, max. No. pins (Tu=40°C)	25 A
Rated current, min. No. pins (Tu=40°C)	32 A
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
Short-time withstand current resistance	3 x 1s with 120 A
Rated current, min. No. pins (Tu=20°C)	32 A
Rated current, max. No. pins (Tu=20°C)	30,5 A
Rated voltage for overvoltage class/pollution severity III/3	250 V

#### Material specification

Storage temperature, max.	55 °C
Contact surface	tinned
Contact base material	Cu alloy
Insulating material group	I
Insulation material	PA
Duration of glow-wire test	30 s
Storage temperature, min.	-25 °C
Temperature of glow-wire test	750 °C
CTI	>= 600
UL 94 combustibility class	V-2
Colour	orange

**System parameters**

Fitted to PCB	Soldered connection
Pitch	5,08 mm
Type of screwdriver	SD 0.8 x 4.0 - DIN 5264
Fitting hole tolerance	+ 0.1 mm
L1 in inch	0,400 inch
L1 in mm	10,16 mm
Pitch in inch	0,200 inch
Stripping length	6 mm
Volume resistance	1,2 mΩ
Dia. of fitting hole	1,3 mm
Clamping screw	M 3
Number of poles	3
Length of soldering post	3,2 mm

**UL 1059 rating data**

Rated current (UL 1059)	10 A
Rated voltage, user group D	300 V
AWG conductor, min. (UL 1059)	26
AWG conductor, max. (UL 1059)	12

**Connectable conductors**

Wire end ferrule , DIN 46 228/1, 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
Clamping range, min.	0,13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
fine-stranded, min. H05(07) V-U	0,5 mm <sup>2</sup>
fine-stranded, max. H05(07) V-U	4 mm <sup>2</sup>
Solid, min. H05(07) V-U	0,5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 mm <sup>2</sup>
AWG, min.	26
AWG, max.	12
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>
Wire end ferrule , DIN 46 228/1, min.	0,5 mm <sup>2</sup>

**Approvals**

Rated voltage for overvoltage class/pollution severity III/2	250 V
Rated voltage for overvoltage class/pollution severity II/2	500 V
Rated voltage for overvoltage class/pollution severity III/3	250 V

**Approvals**

Approvals



**Classifications**

ETIM 2.0	NK
eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

**General ordering data**

Order No.	1592830000
Short text for material	LP5.08/3/90 3.2 OR
EAN	4008190054595

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

**Related products**

Order No.	Short text for material	Number of poles
1592820000	LP5.08/2/90 3.2 OR	2
1594360000	LP5.08/4/90 3.2 OR	4
1724530000	LP5.08/5/90 3.2 OR	5
1608250000	LP5.08/6/90 3.2 OR	6
1759120000	LP5.08/7/90 3.2 OR	7
1594370000	LP5.08/8/90 3.2 OR	8
1759130000	LP5.08/9/90 3.2 OR	9
1594380000	LP5.08/10/90 3.2 OR	10
1760480000	LP5.08/11/90 3.2 OR	11
1608270000	LP5.08/12/90 3.2 OR	12
1759140000	LP5.08/13/90 3.2 OR	13
1759150000	LP5.08/14/90 3.2 OR	14
1759160000	LP5.08/15/90 3.2 OR	15
1594390000	LP5.08/16/90 3.2 OR	16
1759170000	LP5.08/17/90 3.2 OR	17
1759180000	LP5.08/18/90 3.2 OR	18
1844450000	LP5.08/19/90 3.2 OR	19
1759190000	LP5.08/20/90 3.2 OR	20
1759200000	LP5.08/21/90 3.2 OR	21
1844460000	LP5.08/22/90 3.2 OR	22
1844470000	LP5.08/23/90 3.2 OR	23
1608290000	LP5.08/24/90 3.2 OR	24