



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 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 impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
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
Temperature of glow-wire test	750 °C
Storage temperature, min.	-25 °C
CTI	>= 600
UL 94 combustibility class	V-2
Colour	orange

System parameters

L1 in inch	0,394 inch
L1 in mm	10,00 mm
Pitch in inch	0,197 inch
Stripping length	6 mm
No. of rows	1
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch
Volume resistance	1,2 mΩ
Dia. of fitting hole	1,3 mm
Clamping screw	M 3
Fitted by customer	yes
Fitted to PCB	Soldered connection
Pitch	5,00 mm
Type of screwdriver	SD 0.8 x 4.0 - DIN 5264
Fitting hole tolerance	+ 0.1 mm
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 ²
Gauge to EN 60999 a x b; ø	2.8 mm x 2.4 mm; 3.0 mm
Clamping range, min.	0,13 mm ²
Clamping range, max.	6 mm ²
fine-stranded, min. H05(07) V-U	0,5 mm ²
fine-stranded, max. H05(07) V-U	4 mm ²
Solid, min. H05(07) V-U	0,5 mm ²
Solid, max. H05(07) V-U	6 mm ²
AWG, min.	26
AWG, max.	12
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
Wire end ferrule , DIN 46 228/1, min.	0,5 mm ²

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.	1594330000
Short text for material	LP5.00/3/90 3.2 OR
EAN	4008190093297

- 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
1594320000	LP5.00/2/90 3.2 OR	2
1724240000	LP5.00/2/90 3.2 GR	2
1594500000	LP5.00/2/90 4.5 OR	2
1696060000	LP5.00/2/90 4.5 SW	2
1594510000	LP5.00/3/90 4.5 OR	3
1696070000	LP5.00/3/90 4.5 SW	3
1608310000	LP5.00/4/90 3.2 OR	4
1714870000	LP5.00/4/90 3.2 GR	4
1608320000	LP5.00/4/90 4.5 OR	4
1759100000	LP5.00/5/90 3.2 OR	5
1608330000	LP5.00/6/90 3.2 OR	6
1608340000	LP5.00/6/90 4.5 OR	6
1844480000	LP5.00/7/90 3.2 OR	7
1608350000	LP5.00/8/90 3.2 OR	8
1608360000	LP5.00/8/90 4.5 OR	8
1753300000	LP5.00/9/90 3.2 OR	9
1608370000	LP5.00/10/90 3.2 OR	10
1608380000	LP5.00/10/90 4.5 OR	10
1844490000	LP5.00/11/90 3.2 OR	11
1608390000	LP5.00/12/90 3.2 OR	12

1608410000	LP5.00/16/90 3.2 OR	16
1608420000	LP5.00/16/90 4.5 OR	16
1741040000	LP5.00/18/90 4.5 OR	18
1608440000	LP5.00/24/90 4.5 OR	24

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