



CSA rating data

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

DIN IEC rating data

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

Material specification

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

System parameters

L1 in mm	5,08 mm
Pitch in inch	0,200 inch
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	0,200 inch
Stripping length	6 mm
Volume resistance	1,2 mΩ
Dia. of fitting hole	1,3 mm
Clamping screw	M 3
Number of poles	2
Length of soldering post	3,2 mm

UL 1059 rating data

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

Connectable conductors

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
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

Approvals

Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated voltage for overvoltage class/pollution severity III/2	250 V
Rated voltage for overvoltage class/pollution severity II/2	500 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.	1592820000
Short text for material	LP5.08/2/90 3.2 OR
EAN	4008190059972

- 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
1592830000	LP5.08/3/90 3.2 OR	3
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

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