



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)	14

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	600 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
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)	24 A
Rated current, max. No. pins (Tu=20°C)	24 A
Rated current, max. No. pins (Tu=40°C)	24 A
Rated current, min. No. pins (Tu=40°C)	24 A

Material specification

Insulating material group	I
Insulation material	Wemid (PA)
CTI	>= 600
UL 94 combustibility class	V-0
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Contact surface	tinned
Contact base material	Cu alloy
Colour	orange

System parameters

Fitting hole tolerance	+ 0.1 mm
L1 in inch	0,200 inch
L1 in mm	5,08 mm
Pitch in inch	0,200 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	1,0 mΩ
Dia. of fitting hole	1,3 mm
Clamping screw	M 2.5
Fitted by customer	yes
Max. adjacent poles per row	24
Fitted to PCB	Soldered connection
Pitch	5,08 mm
Type of screwdriver	SD 0.6 x 3.5 - DIN 5264
Number of poles	2
Length of soldering post	3,5 mm

UL 1059 rating data

Rated voltage, user group D	300 V
Rated current (UL 1059)	10 A
AWG conductor, min. (UL 1059)	26
AWG conductor, max. (UL 1059)	14

Connectable conductors

AWG, max.	14
Gauge to EN 60999 a x b; ø	2.4 mm x 1.5 mm;
Clamping range, min.	0,13 mm ²
Clamping range, max.	2,5 mm ²
fine-stranded, min. H05(07) V-U	0,2
fine-stranded, max. H05(07) V-U	2,5 mm ²
Solid, min. H05(07) V-U	0,2 mm ²
Solid, max. H05(07) V-U	2,5 mm ²
AWG, min.	26
w. plastic collar ferrule, DIN 46228 pt 4, min.	0,25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1,5 mm ²
Wire end ferrule , DIN 46 228/1, min.	0,25 mm ²
Wire end ferrule , DIN 46 228/1, max.	1,5 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	600 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.	1760490000
Short text for material	PM 5.08/2/90 3.5 OR
EAN	4032248032464

- 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
1814140000	PM 5.08/12/90 3.5 SW	12
1760530000	PM 5.08/2/90 3.5 GN	2
1884320000	PM 5.08/2/90 3.5 GR	2
1760510000	PM 5.08/2/90 3.5 SW	2
1760540000	PM 5.08/3/90 3.5 GN	3
1884330000	PM 5.08/3/90 3.5 GR	3
1760500000	PM 5.08/3/90 3.5 OR	3
1760520000	PM 5.08/3/90 3.5 SW	3