



#### CSA rating data

AWG conductor, min. (CSA)	28
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	160 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated current, min. No. pins (Tu=40°C)	11
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2,5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2,5 kV
Short-time withstand current resistance	3 x 1s with 72 A
Rated current, min. No. pins (Tu=20°C)	13 A
Rated current, max. No. pins (Tu=20°C)	12 A
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2,5 kV
Rated current, max. No. pins (Tu=40°C)	10 A

#### Material specification

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
Storage temperature, max.	55 °C
CTI	>= 600
UL 94 combustibility class	V-2
Colour	orange

**System parameters**

Max. adjacent poles per row	24
Fitted to PCB	Soldered connection
Pitch	3,50 mm
Type of screwdriver	SDI 0.4 x 2.5 - DIN 5264
Fitting hole tolerance	+ 0.1 mm
L1 in inch	0,689 inch
L1 in mm	17,50 mm
Pitch in inch	0,138 inch
Stripping length	5 mm
No. of rows	1
Electric shock protection to DIN VDE 0470	Safe from finger touch
Volume resistance	3,6 mΩ
Dia. of fitting hole	1,3 mm
Clamping screw	M 2
Fitted by customer	yes
Number of poles	12
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)	28
AWG conductor, max. (UL 1059)	14

**Connectable conductors**

AWG, min.	28
AWG, max.	14
O.D. of conductor insulation, max.	2,9 mm
Gauge to EN 60999 a x b; ø	2.4 mm x 1.5 mm;
Clamping range, min.	0,08 mm <sup>2</sup>
Clamping range, max.	2,08 mm <sup>2</sup>
fine-stranded, min. H05(07) V-U	0,5 mm <sup>2</sup>
fine-stranded, max. H05(07) V-U	1,5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0,5 mm <sup>2</sup>
Solid, max. H05(07) V-U	1,5 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.	0,75 mm <sup>2</sup>

**Approvals**

Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity II/2	320 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.	1703740000
Short text for material	LM2N 3.5/12 3.2 OR
EAN	4008190910815

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- 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
1703700000	LM2N 3.5/4 3.2 OR	4
1703710000	LM2N 3.5/6 3.2 OR	6
1703720000	LM2N 3.5/8 3.2 OR	8
1703730000	LM2N 3.5/10 3.2 OR	10
1703750000	LM2N 3.5/14 3.2 OR	14
1703760000	LM2N 3.5/16 3.2 OR	16
1703770000	LM2N 3.5/18 3.2 OR	18
1703780000	LM2N 3.5/20 3.2 OR	20
1703790000	LM2N 3.5/22 3.2 OR	22
1703800000	LM2N 3.5/24 3.2 OR	24
1703810000	LM2N 3.5/26 3.2 OR	26
1703820000	LM2N 3.5/28 3.2 OR	28
1703830000	LM2N 3.5/30 3.2 OR	30
1703840000	LM2N 3.5/32 3.2 OR	32
1703850000	LM2N 3.5/34 3.2 OR	34
1703860000	LM2N 3.5/36 3.2 OR	36
1703870000	LM2N 3.5/38 3.2 OR	38
1703880000	LM2N 3.5/40 3.2 OR	40
1703890000	LM2N 3.5/42 3.2 OR	42
1703900000	LM2N 3.5/44 3.2 OR	44

1703910000	LM2N 3.5/46 3.2 OR	46
1703920000	LM2N 3.5/48 3.2 OR	48