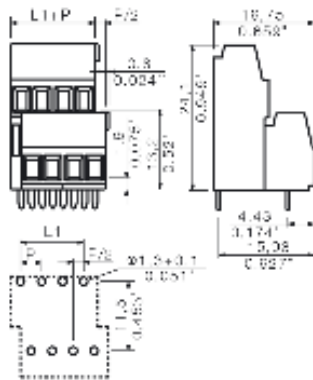




CSA rating data

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	0,965 inch
L1 in mm	24,50 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	16
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 ²
Clamping range, max.	2,08 mm ²
fine-stranded, min. H05(07) V-U	0,5 mm ²
fine-stranded, max. H05(07) V-U	1,5 mm ²
Solid, min. H05(07) V-U	0,5 mm ²
Solid, max. H05(07) V-U	1,5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0,5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	0,75 mm ²

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.	1703760000
Short text for material	LM2N 3.5/16 3.2 OR
EAN	4008190910839

- 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
1703740000	LM2N 3.5/12 3.2 OR	12
1703750000	LM2N 3.5/14 3.2 OR	14
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