



#### CSA rating data

Rated (nominal) current, user group D	10 A
Rated voltage, user group D	300 V

#### DIN IEC rating data

Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity II/2	250 V
Rated current, min. No. pins (Tu=40°C)	14,5 A
Rated current, max. No. pins (Tu=40°C)	10 A
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2,5 kV
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2,5 kV
Rated current, min. No. pins (Tu=20°C)	17 A
Short-time withstand current resistance	3 x 1s with 100 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 voltage for overvoltage class/pollution severity III/3	160 V

#### Material data

Max. relative humidity during storage	80 %
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Contact surface	tinned
Insulation material	PBT
Constant operating temp., min.	-250 °C
Constant operating temp., max.	100 °C
CTI	>= 200
UL 94 combustibility class	V-0
Contact base material	CuSn
Insulating material group	IIIa
Colour	orange

### System parameters

Pitch	3,50 mm
Fitting hole tolerance	+ 0.1 mm
Outgoing elbow	180°
No. of solder pins per pole	1
No. of rows	1
Electric shock protection to DIN VDE 0470	Safe from back-of-hand touch
Dia. of fitting hole	1,3 mm
Insulation resistance	1 MΩ
Codable	yes
Fitted to PCB	Soldered connection
L1 in inch	0,689 inch
L1 in mm	17,50 mm
Pitch in inch	0,138 inch
Number of poles	6
Length of soldering post	3,2 mm

### UL 1059 rating data

Rated voltage, user group D	300 V
Rated current (UL 1059)	10 A

### Approvals

Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity II/2	250 V
Rated voltage for overvoltage class/pollution severity III/3	160 V

### Approvals

Approvals



### Classifications

ETIM 2.0	NK
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01

### General ordering data

Order No.	1604510000
Short text for material	SL 3.5/6/180G3.2SN OR
EAN	4008190159559

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.

- 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
1604470000	SL 3.5/2/180G3.2SN OR	2
1604480000	SL 3.5/3/180G3.2SN OR	3
1604490000	SL 3.5/4/180G3.2SN OR	4
1604500000	SL 3.5/5/180G3.2SN OR	5
1604520000	SL 3.5/7/180G3.2SN OR	7
1604530000	SL 3.5/8/180G3.2SN OR	8
1604540000	SL 3.5/9/180G3.2SN OR	9
1604550000	SL 3.5/10/180G3.2SN OR	10
1604560000	SL 3.5/11/180G3.2SN OR	11
1604570000	SL 3.5/12/180G3.2SN OR	12
1604580000	SL 3.5/13/180G3.2SN OR	13
1604590000	SL 3.5/14/180G3.2SN OR	14
1604600000	SL 3.5/15/180G3.2SN OR	15
1604610000	SL 3.5/16/180G3.2SN OR	16
1621790000	SL 3.5/17/180G3.2SN OR	17
1621800000	SL 3.5/18/180G3.2SN OR	18
1621810000	SL 3.5/19/180G3.2SN OR	19
1621820000	SL 3.5/20/180G3.2SN OR	20
1621830000	SL 3.5/21/180G3.2SN OR	21
1621840000	SL 3.5/22/180G3.2SN OR	22
1621850000	SL 3.5/23/180G3.2SN OR	23
1621860000	SL 3.5/24/180G3.2SN OR	24