



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	2,067 inch
L1 in mm	52,50 mm
Pitch in inch	0,138 inch
Number of poles	16
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.	1604610000
Short text for material	SL 3.5/16/180G3.2SN OR
EAN	4008190112615

- 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
1604510000	SL 3.5/6/180G3.2SN OR	6
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
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