



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/3	160 V
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 impulse withstand voltage for overvoltage class/pollution severity III/3	2,5 kV
Rated current, max. No. pins (Tu=20°C)	12 A

Material data

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

System parameters

L1 in mm	7,00 mm
Pitch in inch	0,138 inch
Outgoing elbow	90°
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
Pitch	3,50 mm
Fitting hole tolerance	+ 0.1 mm
L1 in inch	0,276 inch
Number of poles	3
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/3	160 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity II/2	250 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.	1605080000
Short text for material	SL 3.5/3/90G3.2SN OR
EAN	4008190088538

- 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
1605070000	SL 3.5/2/90G3.2SN OR	2
1605090000	SL 3.5/4/90G3.2SN OR	4
1605100000	SL 3.5/5/90G3.2SN OR	5
1605110000	SL 3.5/6/90G3.2SN OR	6
1605120000	SL 3.5/7/90G3.2SN OR	7
1605130000	SL 3.5/8/90G3.2SN OR	8
1605140000	SL 3.5/9/90G3.2SN OR	9
1605150000	SL 3.5/10/90G3.2SN OR	10
1605160000	SL 3.5/11/90G3.2SN OR	11
1605170000	SL 3.5/12/90G3.2SN OR	12
1605180000	SL 3.5/13/90G3.2SN OR	13
1605190000	SL 3.5/14/90G3.2SN OR	14
1605200000	SL 3.5/15/90G3.2SN OR	15
1605210000	SL 3.5/16/90G3.2SN OR	16
1619380000	SL 3.5/17/90G3.2SN OR	17
1619390000	SL 3.5/18/90G3.2SN OR	18
1619400000	SL 3.5/19/90G3.2SN OR	19
1619410000	SL 3.5/20/90G3.2SN OR	20
1619420000	SL 3.5/21/90G3.2SN OR	21
1619430000	SL 3.5/22/90G3.2SN OR	22
1619440000	SL 3.5/23/90G3.2SN OR	23
1619450000	SL 3.5/24/90G3.2SN OR	24