

## General ordering data

Order No. Part designation Version

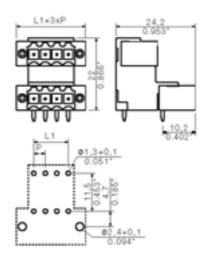
## EAN Qty.

System parameters

Fitted to PCB Outgoing elbow Pitch Pitch in inch No. of poles Solder pin length Can be coded No. of rows No. of solder pins per pole Dia. of fitting hole Fitting hole tolerance L1 in mm L1 in inch Insulation resistance Electric shock protection to DIN VDE 0470 Electric shock protection to DIN VDE 0470

## **Material data**

Insulating material Colour colour chart Insulating material group Flammability class UL 94 CTI Contact base material





1642480000 SLD 3.5 V/48/90F 3.2 OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 48, 90°, Box 4008190281007 10 pc(s).

Soldered connection 90° 3.5 mm 0.138 inch 48 3.2 mm Yes 2 1 1.3 mm + 0.1 mm 80.5 mm 3.169 inch 1 MΩ IP 10 Safe from back-of-hand touch PBT orange Similar to RAL 2000 Illa V-0 >= 200

CuSn



Material data	
Contact surface	tinned
Constant operating temp., min.	-25 °C
Constant operating temp., max.	100 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %
DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	10.5 A
Rated current, max. No. pins (Tu=20°C)	8 A
Rated current, min. No. pins(Tu=40°C)	9 A
Rated current, max. No. pins (Tu=40°C)	7 A
Rated voltage for overvoltage class/pollution	125 V
severity III/3	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity III/3	
Rated voltage for overvoltage class/pollution	160 V
severity III/2	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity III/2	
Rated voltage for overvoltage class/pollution	200 V
severity II/2	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity II/2	
Short-time withstand current resistance	3 x 1s with 80 A
Rated voltage (Use group D)	300 V
Rated current (Use group D)	8 A
UL 1059 rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	8 A

Approvals

Approvals institutes







Downloads CAD Library (P-CAD Format - Standard)	SLD.LIB
Classifications	
ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

## Similar products

1642370000	SLD 3.5 V/4/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box
1642380000	SLD 3.5 V/8/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1642390000	SLD 3.5 V/12/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1642400000	SLD 3.5 V/16/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box
1642410000	SLD 3.5 V/20/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box
1642420000	SLD 3.5 V/24/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box
1642430000	SLD 3.5 V/28/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 90°, Box
1642440000	SLD 3.5 V/32/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 90°, Box
1642450000	SLD 3.5 V/36/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 90°, Box
1642460000	SLD 3.5 V/40/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 40, 90°, Box
1642470000	SLD 3.5 V/44/90F 3.2 OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 44, 90°, Box

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