





General ordering data

Order No. 1642450000

Part designation SLD 3.5 V/36/90F 3.2 OR

Version PCB plug-in connector, Male connectors, Soldered

connection, Pitch: 3.50 mm, No. of poles: 36, 90°,

Box

EAN 4008190280970

Qty. 10 pc(s).

System parameters

Fitted to PCB Soldered connection 90° Outgoing elbow Pitch 3.5 mm Pitch in inch 0.138 inch No. of poles 36 Solder pin length 3.2 mm Can be coded Yes No. of rows No. of solder pins per pole 1 1.3 mm Dia. of fitting hole

Fitting hole tolerance + 0.1 mmL1 in mm 59.5 mm L1 in inch 2.343 inch Insulation resistance 1 M $\Omega$ 

Electric shock protection to DIN VDE 0470

Electric shock protection to DIN VDE 0470 Safe from back-of-hand touch

Material data

Insulating material PBT Colour orange

colour chart Similar to RAL 2000

Insulating material group IIIa
Flammability class UL 94 V-0
CTI >= 200
Contact base material CuSn



IP 10

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 severity III/3	125 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Rated voltage for overvoltage class/pollution	160 V
severity III/2	100 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated voltage for overvoltage class/pollution severity II/2	200 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Short-time withstand current resistance	3 x 1s with 80 A
CSA rating data	
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

## Annrovals

Approvals institutes







Downloads	
CAD Library (P-CAD Format - Standard)	SLD.LIB
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
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
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

