



General ordering data

Order No.	1601970000
Part designation	SLD 5.08R20/40/3.2SN OR
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 40, 90°, Box
EAN	4008190127596
Qty.	10 pc(s).

System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	90°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	40
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	2
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	96.52 mm
L1 in inch	3.8 inch
Insulation resistance	1 MΩ

System parameters

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	I
Flammability class UL 94	V-0
CTI	>= 600
Contact base material	CuSn
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)	11 A
Rated current, max. No. pins (Tu=20°C)	8.5 A
Rated current, min. No. pins (Tu=40°C)	9.5 A
Rated current, max. No. pins (Tu=40°C)	7 A
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated voltage for overvoltage class/pollution severity II/2	400 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Short-time withstand current resistance	1 x 1s with 120 A

CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 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

Order No.	Part designation	Version
1601790000	SLD 5.08R20/4/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1601800000	SLD 5.08R20/6/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1601810000	SLD 5.08R20/8/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1601820000	SLD 5.08R20/10/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1601830000	SLD 5.08R20/12/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1601840000	SLD 5.08R20/14/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 14, 90°, Box
1601850000	SLD 5.08R20/16/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 16, 90°, Box
1601860000	SLD 5.08R20/18/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 18, 90°, Box
1601870000	SLD 5.08R20/20/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 20, 90°, Box
1601880000	SLD 5.08R20/22/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 22, 90°, Box

1601890000	SLD 5.08R20/24/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 24, 90°, Box
1601900000	SLD 5.08R20/26/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 26, 90°, Box
1601910000	SLD 5.08R20/28/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 28, 90°, Box
1601920000	SLD 5.08R20/30/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 30, 90°, Box
1601930000	SLD 5.08R20/32/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 32, 90°, Box
1601940000	SLD 5.08R20/34/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 34, 90°, Box
1601950000	SLD 5.08R20/36/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 36, 90°, Box
1601960000	SLD 5.08R20/38/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 38, 90°, Box
1601980000	SLD 5.08R20/42/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 42, 90°, Box
1601990000	SLD 5.08R20/44/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 44, 90°, Box
1602000000	SLD 5.08R20/46/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 46, 90°, Box
1602010000	SLD 5.08R20/48/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 48, 90°, Box