



General ordering data

Order No.	1602580000
Part designation	SLD 5.08R20/42/3.2SN OR
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 42, 180°, Box
EAN	4008190150419
Qty.	10 pc(s).

System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	180°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	42
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	101.6 mm
L1 in inch	4 inch
Insulation resistance	1 MΩ

System parameters

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



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
1602390000	SLD 5.08R20/4/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1602400000	SLD 5.08R20/6/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1602410000	SLD 5.08R20/8/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1602420000	SLD 5.08R20/10/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1602430000	SLD 5.08R20/12/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1602440000	SLD 5.08R20/14/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1602450000	SLD 5.08R20/16/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1602460000	SLD 5.08R20/18/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1602470000	SLD 5.08R20/20/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1602480000	SLD 5.08R20/22/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1602490000	SLD 5.08R20/24/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box
1602500000	SLD 5.08R20/26/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 26, 180°, Box

1602510000	SLD 5.08R20/28/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 28, 180°, Box
1602520000	SLD 5.08R20/30/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 30, 180°, Box
1602530000	SLD 5.08R20/32/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 32, 180°, Box
1602540000	SLD 5.08R20/34/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 34, 180°, Box
1602550000	SLD 5.08R20/36/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 36, 180°, Box
1602560000	SLD 5.08R20/38/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 38, 180°, Box
1602570000	SLD 5.08R20/40/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 40, 180°, Box
1602590000	SLD 5.08R20/44/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 44, 180°, Box
1602600000	SLD 5.08R20/46/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 46, 180°, Box
1602610000	SLD 5.08R20/48/3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 48, 180°, Box