



#### General ordering data

Order No.	1581990000
Part designation	SL 5.00/23/180B3.2SN OR
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 23, 180°, Box
EAN	4008190003197
Qty.	20 pc(s).

#### System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	180°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	23
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	1
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	110 mm
L1 in inch	4.331 inch
Insulation resistance	1 MΩ

#### System parameters

Electric shock protection to DIN VDE 0470	IP20 plugged
Electric shock protection to DIN VDE 0470	Safe from finger touch, plugged

#### 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
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)	18 A
Rated current, max. No. pins (Tu=20°C)	14.5 A
Rated current, min. No. pins (Tu=40°C)	15 A
Rated current, max. No. pins (Tu=40°C)	12 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	3 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) SL.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
1581780000	SL 5.00/2/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 2, 180°, Box
1581790000	SL 5.00/3/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 3, 180°, Box
1581800000	SL 5.00/4/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 4, 180°, Box
1581810000	SL 5.00/5/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 5, 180°, Box
1581820000	SL 5.00/6/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 6, 180°, Box
1581830000	SL 5.00/7/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 7, 180°, Box
1581840000	SL 5.00/8/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 8, 180°, Box
1581850000	SL 5.00/9/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 9, 180°, Box
1581860000	SL 5.00/10/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 10, 180°, Box
1581870000	SL 5.00/11/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 11, 180°, Box

1581880000	SL 5.00/12/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 12, 180°, Box
1581890000	SL 5.00/13/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 13, 180°, Box
1581900000	SL 5.00/14/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 14, 180°, Box
1581910000	SL 5.00/15/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 15, 180°, Box
1581920000	SL 5.00/16/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 16, 180°, Box
1581930000	SL 5.00/17/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 17, 180°, Box
1581940000	SL 5.00/18/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 18, 180°, Box
1581950000	SL 5.00/19/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 19, 180°, Box
1581960000	SL 5.00/20/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 20, 180°, Box
1581970000	SL 5.00/21/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 21, 180°, Box
1581980000	SL 5.00/22/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 22, 180°, Box
1582000000	SL 5.00/24/180B3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 24, 180°, Box