



#### General ordering data

Order No.	1628400000
Part designation	SL 7.50/6/90 3.2SN OR
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 6, 90°, Box
EAN	4008190201203
Qty.	50 pc(s).

#### System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	90°
Pitch	7.5 mm
Pitch in inch	0.295 inch
No. of poles	6
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	37.5 mm
L1 in inch	1.476 inch
Insulation resistance	1 MΩ

#### System parameters

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)	18.5 A
Rated current, max. No. pins (Tu=20°C)	17 A
Rated current, min. No. pins (Tu=40°C)	16 A
Rated current, max. No. pins (Tu=40°C)	14.5 A
Rated voltage for overvoltage class/pollution severity III/3	500 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	6 kV
Rated voltage for overvoltage class/pollution severity III/2	630 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	6 kV
Rated voltage for overvoltage class/pollution severity II/2	800 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	6 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
1628360000	SL 7.50/2/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 2, 90°, Box
1628370000	SL 7.50/3/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 3, 90°, Box
1628380000	SL 7.50/4/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 4, 90°, Box
1628390000	SL 7.50/5/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 5, 90°, Box
1628410000	SL 7.50/7/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 7, 90°, Box
1628420000	SL 7.50/8/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 8, 90°, Box
1628430000	SL 7.50/9/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 9, 90°, Box
1628440000	SL 7.50/10/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 10, 90°, Box
1628450000	SL 7.50/11/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 11, 90°, Box
1628460000	SL 7.50/12/90 3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 12, 90°, Box