



General ordering data

Order No.	1643510000
Part designation	SL 3.5/20/135F 3.2 SN OR BX
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 135°, Box
EAN	4008190282271
Qty.	20 pc(s).

System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	135°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	20
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	66.5 mm
L1 in inch	2.618 inch
Insulation resistance	1 MΩ

System parameters

Electric shock protection to DIN VDE 0470	IP 10
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
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)	15 A
Rated current, max. No. pins (Tu=20°C)	11 A
Rated current, min. No. pins (Tu=40°C)	13 A
Rated current, max. No. pins (Tu=40°C)	9 A
Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Short-time withstand current resistance	3 x 1s with 100 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
1643330000	SL 3.5/02/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 2, 135°, Box
1643340000	SL 3.5/03/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 3, 135°, Box
1643350000	SL 3.5/04/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 4, 135°, Box
1643360000	SL 3.5/05/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 5, 135°, Box
1643370000	SL 3.5/06/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 135°, Box
1643380000	SL 3.5/07/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 7, 135°, Box
1643390000	SL 3.5/08/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 135°, Box
1643400000	SL 3.5/09/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 9, 135°, Box
1643410000	SL 3.5/10/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 135°, Box
1643420000	SL 3.5/11/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 11, 135°, Box

1643430000	SL 3.5/12/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 135°, Box
1643440000	SL 3.5/13/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 13, 135°, Box
1643450000	SL 3.5/14/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 135°, Box
1643460000	SL 3.5/15/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 15, 135°, Box
1643470000	SL 3.5/16/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 135°, Box
1643480000	SL 3.5/17/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 17, 135°, Box
1643490000	SL 3.5/18/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 135°, Box
1643500000	SL 3.5/19/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 19, 135°, Box
1643520000	SL 3.5/21/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 21, 135°, Box
1643530000	SL 3.5/22/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 22, 135°, Box
1643540000	SL 3.5/23/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 23, 135°, Box
1643550000	SL 3.5/24/135F 3.2 SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 135°, Box