



General ordering data

Order No.	1846500000
Part designation	SLS 5.08/16F SN OR
Version	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
EAN	4032248362806
Qty.	50 pc(s).

System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	180°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	16
No. of rows	1
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5
Stripping length	7 mm
L1 in mm	76.2 mm
L1 in inch	3 inch
Electric shock protection to DIN VDE 0470	Finger-safe plugged/ back-of-hand-safe unplugged

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

Material data

Connectable conductors

Clamping range, min.	0.13 mm ²
Clamping range, max.	3.31 mm ²
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
Gauge to EN 60999 a x b; ø	2.8 mm x 2.0 mm; 2.4 mm

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	21.5 A
Rated current, max. No. pins (Tu=20°C)	16 A
Rated current, min. No. pins (Tu=40°C)	18 A
Rated current, max. No. pins (Tu=40°C)	14 A
Rated voltage for overvoltage class/pollution severity II/2	400 V
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	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
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	12

UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	12

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
1846360000	SLS 5.08/2F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1846370000	SLS 5.08/3F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1846380000	SLS 5.08/4F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1846390000	SLS 5.08/5F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1846400000	SLS 5.08/6F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1846410000	SLS 5.08/7F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1846420000	SLS 5.08/8F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1846430000	SLS 5.08/9F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1846440000	SLS 5.08/10F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box

1846450000	SLS 5.08/11F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1846460000	SLS 5.08/12F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1846470000	SLS 5.08/13F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1846480000	SLS 5.08/14F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1846490000	SLS 5.08/15F SN OR	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box