



General ordering data

Order No.	1810850000
Part designation	LS 5.08/2/90 3.5SW
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 90°, Box
EAN	4032248289813
Qty.	100 pc(s).

System parameters

Product family	System LS
Conductor connection system	Clamping yoke connection
Fitted to PCB	Soldered connection
Outgoing direction of conductor	90°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	2
Fitted by customer	yes
Max. adjacent poles per row	24
No. of rows	1
Solder pin length	3.5 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
No. of solder pins per pole	1

System parameters

Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5
Stripping length	6 mm
L1 in mm	5.08 mm
L1 in inch	0.2 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulating material	Wemid (PA)
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	I
Flammability class UL 94	V-0
CTI	>= 600
Contact base material	Copper alloy
Contact surface	tinned
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C

Connectable conductors

Clamping range, min.	0.08 mm ²
Clamping range, max.	1.5 mm ²
AWG, min.	28
AWG, max.	14
Solid, min. H05(07) V-U	0.08 mm ²
Solid, max. H05(07) V-U	1.5 mm ²
Flexible, min. H05(07) V-K	0.08 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	17.5 A
Rated current, max. No. pins (Tu=20°C)	17.5 A
Rated current, min. No. pins (Tu=40°C)	17.5 A
Rated current, max. No. pins (Tu=40°C)	17.5 A
Rated voltage for overvoltage class/pollution severity II/2	630 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

DIN IEC rating data

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

CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	28
AWG conductor (field wiring), max.	14

UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	28
AWG conductor, max.	14

Approvals

Approvals institutes



Downloads

CAD Library (P-CAD Format - Standard)	LS.lib
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Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

Similar products

Order No.	Part designation	Version
1912520000	LS 5.08/2/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 90°, Box

1810960000	LS 5.08/2/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 90°, Box
1811070000	LS 5.08/2/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 90°, Box
1912530000	LS 5.08/3/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
1810860000	LS 5.08/3/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
1810970000	LS 5.08/3/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
1811080000	LS 5.08/3/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
1912540000	LS 5.08/4/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1810870000	LS 5.08/4/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1810980000	LS 5.08/4/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1811090000	LS 5.08/4/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1912560000	LS 5.08/5/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 90°, Box
1810880000	LS 5.08/5/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 90°, Box
1810990000	LS 5.08/5/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 90°, Box
1811100000	LS 5.08/5/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 90°, Box
1912570000	LS 5.08/6/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1810890000	LS 5.08/6/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1811000000	LS 5.08/6/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 90°, Box

1811110000	LS 5.08/6/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1912850000	LS 5.08/7/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 90°, Box
1810900000	LS 5.08/7/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 90°, Box
1811010000	LS 5.08/7/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 90°, Box
1811120000	LS 5.08/7/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 90°, Box
1912890000	LS 5.08/8/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1810910000	LS 5.08/8/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1811020000	LS 5.08/8/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1811130000	LS 5.08/8/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1912900000	LS 5.08/9/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1810920000	LS 5.08/9/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1811030000	LS 5.08/9/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1811140000	LS 5.08/9/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1912910000	LS 5.08/10/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1810930000	LS 5.08/10/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1811040000	LS 5.08/10/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1811150000	LS 5.08/10/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 90°, Box

1912930000	LS 5.08/11/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 90°, Box
1810940000	LS 5.08/11/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 90°, Box
1811050000	LS 5.08/11/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 90°, Box
1811160000	LS 5.08/11/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 90°, Box
1912940000	LS 5.08/12/90 3.5 OR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1810950000	LS 5.08/12/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1811060000	LS 5.08/12/90 3.5GR	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1811170000	LS 5.08/12/90 3.5GN	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 90°, Box