



#### General ordering data

Order No.	1810970000
Part designation	LS 5.08/3/90 3.5GR
Version	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
EAN	4032248289950
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	3
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	10.16 mm
L1 in inch	0.4 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	pebble grey
colour chart	Similar to RAL 7032
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 <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>
AWG, min.	28
AWG, max.	14
Solid, min. H05(07) V-U	0.08 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.08 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>

**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
---------------------------------------	--------

#### Classifications

ETIM 3.0	EC001284
eClass 5.1	27-26-11-01

#### 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 90°, Box
1810850000	LS 5.08/2/90 3.5SW	PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 1.5 mm <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 90°, Box