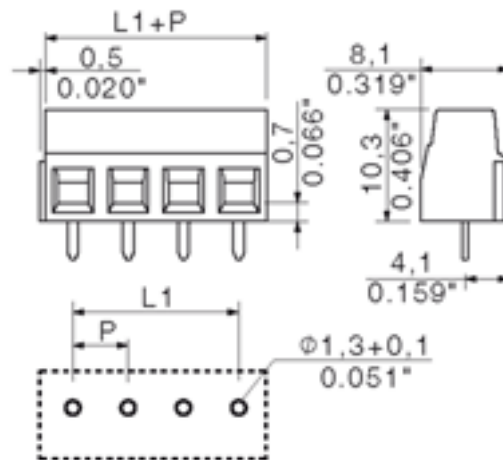




#### General ordering data

|                  |                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1810900000                                                                                                                                               |
| Part designation | LS 5.08/7/90 3.5SW                                                                                                                                       |
| Version          | PCB terminal, Clamping yoke connection,<br>Soldered connection, Clamping range, max.: 1.5<br>mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 90°, Box |
| EAN              | 4032248289875                                                                                                                                            |
| 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                    | 7                        |
| 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                                  | 30.48 mm               |
| L1 in inch                                | 1.2 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 <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 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 <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 |
| 1810970000 | LS 5.08/3/90 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: 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  |
| 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 |