



General ordering data

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|------------------|--|
| Order No. | 1612570000 |
| Part designation | STV S 6 LB90 |
| Version | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 6, 90°, Box |
| EAN | 4008190199296 |
| Qty. | 10 pc(s). |

System parameters

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|---|------------------------------|
| Fitted to PCB | Soldered connection |
| Outgoing elbow | 90° |
| Pitch | 7 mm |
| Pitch in inch | 0.276 inch |
| No. of poles | 6 |
| 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 | 1.6 mm |
| Fitting hole tolerance | + 0.1 mm |
| L1 in mm | 35 mm |
| L1 in inch | 1.378 inch |
| Insulation resistance | 1,000 MΩ |
| Electric shock protection to DIN VDE 0470 | IP 10 |
| Electric shock protection to DIN VDE 0470 | Safe from back-of-hand touch |

Material data

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|---------------------------------------|---------------------|
| 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 | CuZn |
| Contact surface | silver-plated |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 55 °C |
| Max. relative humidity during storage | 75 % |

DIN IEC rating data

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|--|-------|
| Rated current, max. No. pins (Tu=20°C) | 18 A |
| Rated current, max. No. pins (Tu=40°C) | 15 A |
| Rated voltage for overvoltage class/pollution severity III/3 | 500 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 6 kV |

DIN IEC rating data

| | |
|--|-------------------|
| Rated voltage for overvoltage class/pollution severity III/2 | 500 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 6 kV |
| Rated voltage for overvoltage class/pollution severity II/2 | 1,000 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 6 kV |
| Short-time withstand current resistance | 3 x 1s with 180 A |

CSA rating data

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|-----------------------------|-------|
| Rated voltage (Use group D) | 600 V |
| Rated current (Use group D) | 14 A |

UL 1059 rating data

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|-----------------------------|-------|
| Rated voltage (Use group D) | 600 V |
| Rated current (Use group D) | 14 A |

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 | 27-26-07-01 |

Similar products

| Order No. | Part designation | Version |
|------------|------------------|--|
| 1612490000 | STV S 2 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 2, 90°, Box |
| 1612510000 | STV S 3 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 3, 90°, Box |

| | | |
|------------|---------------|---|
| 1612530000 | STV S 4 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 4, 90°, Box |
| 1612550000 | STV S 5 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 5, 90°, Box |
| 1612590000 | STV S 7 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 7, 90°, Box |
| 1612610000 | STV S 8 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 8, 90°, Box |
| 1612630000 | STV S 9 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 9, 90°, Box |
| 1612650000 | STV S 10 LB90 | PCB plug-in connector, Female connectors, Soldered connection, Pitch: 7.00 mm, No. of poles: 10, 90°, Box |