



#### General ordering data

|                  |                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1932520000                                                                                                                                             |
| Part designation | SVZ 7.62HP/05SH180I SN SW                                                                                                                              |
| Version          | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 5, 180°, Box |
| EAN              | 4032248584130                                                                                                                                          |
| Qty.             | 25 pc(s).                                                                                                                                              |

#### System parameters

|                                           |                          |
|-------------------------------------------|--------------------------|
| Conductor connection system               | Clamping yoke connection |
| Outgoing direction of conductor           | 180°                     |
| Pitch                                     | 7.62 mm                  |
| Pitch in inch                             | 0.3 inch                 |
| No. of poles                              | 5                        |
| No. of rows                               | 1                        |
| Screwdriver blade                         | 0.8 x 4.0                |
| Screwdriver blade standard                | DIN 5264-A               |
| Tightening torque, min.                   | 0.5 Nm                   |
| Tightening torque, max.                   | 0.6 Nm                   |
| Clamping screw                            | M 3                      |
| Stripping length                          | 12 mm                    |
| L1 in mm                                  | 30.48 mm                 |
| L1 in inch                                | 1.2 inch                 |
| Electric shock protection to DIN VDE 0470 | IP20 plugged             |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch   |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PA GF               |
| Colour                    | black               |
| colour chart              | Similar to RAL 9011 |
| Insulating material group | I                   |
| Flammability class UL 94  | V-0                 |
| CTI                       | $\geq 600$          |
| Contact base material     | Copper alloy        |

#### Material data

Contact surface tinned

#### Connectable conductors

|                                                   |                         |
|---------------------------------------------------|-------------------------|
| Clamping range, min.                              | 0.2 mm <sup>2</sup>     |
| Clamping range, max.                              | 6 mm <sup>2</sup>       |
| AWG, min.                                         | 22                      |
| AWG, max.                                         | 10                      |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>     |
| Solid, max. H05(07) V-U                           | 6 mm <sup>2</sup>       |
| Flexible, min. H05(07) V-K                        | 0.5 mm <sup>2</sup>     |
| Flexible, max. H05(07) V-K                        | 6 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. | 6 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.   | 6 mm <sup>2</sup>       |
| 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)                                         | 41 A    |
| Rated current, max. No. pins (Tu=20°C)                                         | 41 A    |
| Rated current, min. No. pins (Tu=40°C)                                         | 41 A    |
| Rated current, max. No. pins (Tu=40°C)                                         | 41 A    |
| Rated voltage for overvoltage class/pollution severity II/2                    | 1,000 V |
| Rated voltage for overvoltage class/pollution severity III/2                   | 1,000 V |
| Rated voltage for overvoltage class/pollution severity III/3                   | 800 V   |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 6 kV    |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 8 kV    |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 8 kV    |

#### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group C)        | 600 V |
| Rated current (Use group C)        | 35 A  |
| AWG conductor (field wiring), min. | 24    |
| AWG conductor (field wiring), max. | 10    |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group C) | 600 V |
| Rated current (Use group C) | 35 A  |
| AWG conductor, min.         | 24    |
| AWG conductor, max.         | 10    |

#### Classifications

eClass 5.1 27-26-07-04

### Similar products

| Order No.  | Part designation          | Version                                                                                                                                                |
|------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1932500000 | SVZ 7.62HP/03SH180I SN SW | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 3, 180°, Box |
| 1932510000 | SVZ 7.62HP/04SH180I SN SW | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 4, 180°, Box |
| 1932530000 | SVZ 7.62HP/06SH180I SN SW | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 6, 180°, Box |