



General ordering data

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| Order No. | 1951180000 |
| Part designation | SVZ 7.62HP/06SH180C SN SW |
| Version | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 6, 180°, Box |
| EAN | 4032248630158 |
| Qty. | 25 pc(s). |

System parameters

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|---|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 180° |
| Pitch | 7.62 mm |
| Pitch in inch | 0.3 inch |
| No. of poles | 6 |
| 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 | 38.1 mm |
| L1 in inch | 1.5 inch |
| Electric shock protection to DIN VDE 0470 | IP20 plugged |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

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|---------------------------|---------------------|
| Insulating material | PA GF |
| 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 |

Material data

Contact surface tinned

Connectable conductors

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|---|-------------------------|
| Clamping range, min. | 0.2 mm ² |
| Clamping range, max. | 6 mm ² |
| AWG, min. | 22 |
| AWG, max. | 10 |
| Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 6 mm ² |
| Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 6 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. | 6 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 6 mm ² |
| Gauge to EN 60999 a x b; ø | 2.8 mm x 2.0 mm; 2.4 mm |

DIN IEC rating data

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|--|---------|
| 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

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|------------------------------------|-------|
| 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

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|-----------------------------|-------|
| 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 |
|------------|---------------------------|--|
| 1951150000 | SVZ 7.62HP/03SH180C SN SW | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 3, 180°, Box |
| 1951160000 | SVZ 7.62HP/04SH180C SN SW | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 4, 180°, Box |
| 1951170000 | SVZ 7.62HP/05SH180C SN SW | PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 5, 180°, Box |