



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1822550000   |
| Part designation | SV 7.62/04/180G 3.5SN BK BX  |
| Version          | PCB plug-in connector, Solder connection, Pitch in mm: 7.62 mm, No. of poles: 4, 180°, Box |
| EAN              | 4032248323913  |
| Qty.             | 100 pc(s).   |
| Packaging        | Box  |

#### System parameters

|   |                                 |
|---|---------------------------------|
| Fitted to PCB                               | Solder connection               |
| Outgoing elbow                              | 180°                            |
| Pitch in mm                                 | 7.62 mm                         |
| Pitch in inch                               | 0.3 inch                        |
| No. of poles                                | 4                               |
| Solder pin length                           | 3.5 mm                          |
| Can be coded                                | Yes                             |
| No. of rows                                 | 1                               |
| Number of solder pins per pole              | 2                               |
| Diameter of fixing-hole                     | 1.3 mm                          |
| Fitting hole tolerance                      | + 0,1 mm                        |
| L1 in mm                                    | 22.86 mm                        |
| L1 in inch                                  | 0.9 inch                        |
| Insulation resistance                       | $10^3 \Omega$                   |
| Electric shock protection to DIN VDE 0470   | IP 20                           |
| Electric shock protection to DIN VDE 57 106 | Safe from finger touch, plugged |

#### Material data

|                           |              |
|---------------------------|--------------|
| Insulating material       | PBT GF       |
| Colour                    | black        |
| Insulating material group | IIIa         |
| Flammability class UL 94  | V-0          |
| CTI                       | $\geq 200$   |
| Contact material          | Copper alloy |
| Contact surface           | tinned       |

#### Material data

|  |        |
|--|--------|
| Highest continuous operating temperature, min. | -25 °C |
| Highest continuous operating temperature, max. | 100 °C |
| Max. relative humidity during storage          | 80 %   |

#### DIN IEC rating data

|  |                   |
|--|-------------------|
| Rated current, min. No. of poles (Tu=20°C)                                     | 41 A              |
| Rated current, max. No. of poles (Tu=20°C)                                     | 38 A              |
| Rated current, no. of poles (Tu=40°C), min.                                    | 38 A              |
| Rated current, no. of poles (Tu=40°C), max.                                    | 31 A              |
| Rated voltage at overvoltage category/pollution degree III/3                   | 500 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 6 kV              |
| Rated voltage for overvoltage class/pollution severity III/2                   | 630 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 6 kV              |
| Rated voltage for overvoltage class/pollution severity II/2                    | 800 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 6 kV              |
| Short-time withstand current resistance  | 3 x 1s with 360 A |

#### CSA rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group B) | 300 V |
| Rated current (use group B) | 31 A  |
| Rated voltage (Use group C) | 300 V |
| Rated current (use group C) | 31 A  |
| Rated voltage (use group D) | 600 V |
| Rated current (use group D) | 5 A   |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (use group B) | 300 V |
| Rated current (use group B) | 31 A  |
| Rated voltage (use group C) | 300 V |
| Rated current (use group C) | 31 A  |
| Rated voltage (use group D) | 600 V |
| Rated current (use group D) | 5 A   |

#### Approvals

|                      |                      |
|----------------------|----------------------|
| Approvals institutes | CSA; CURUS; GOSTME25 |
|----------------------|----------------------|

#### Downloads

|                                       |        |
|---------------------------------------|--------|
| CAD Library (P-CAD Format - ASCII)    | SV.LIA |
| CAD Library (P-CAD Format - Standard) | SV.LIB |

#### Classifications

|            |             |
|------------|-------------|
| ETIM30     | EC001284    |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

**Classifications**

eClass 6.0

27-26-07-04

**Notes**

Notes

**Similar products**

| Order No. | Part designation | Version |
|-----------|------------------|---------|
|-----------|------------------|---------|