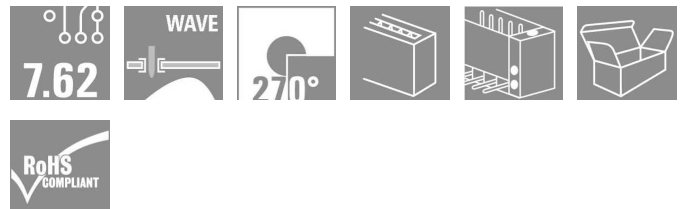


OMNIMATE Power - series BV/SV 7.62HP SV 7.62HP/06/270F 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Single-row, high-current and high-performance male connectors, for side-by-side mounting without losing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections, unique coding diversity and additional fixing in flange. 3.5 mm pin length is optimised for lead-free wave soldering.

- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

| | |
|--------------|--|
| Type | SV 7.62HP/06/270F 3.5SN BK BX |
| Order No. | 1931410000 |
| Version | PCB plug-in connector, male header, Clip-on flange, Solder connection, 7.62 mm, No. of poles: 6, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box |
| GTIN (EAN) | 4032248581443 |
| Qty. | 30 pc(s). |
| Product data | IEC: 1000 V / 41 A UL: 300 V / 40.5 A |
| Packaging | Box |

Erstellungs-Datum January 27, 2014 10:29:00 AM CET

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Technische Daten

Dimensions and weights

Net weight 10.53 g

System parameters

| | | | |
|--|--------------------------------------|--|-------------------|
| Product family | OMNIMATE Power - series BV/SV 7.62HP | Mounting onto the PCB | Solder connection |
| Outgoing elbow | 270° | Pitch in mm (P) | 7.62 mm |
| Pitch in inches (P) | 0.3 inch | No. of poles | 6 |
| Solder pin length (l) | 3.5 mm | Pin dimensions | 0.8 x 1.0 mm |
| Can be coded | Yes | Number of solder pins per pole | 2 |
| Solder eyelet hole diameter (D) | 1.3 mm | Solder eyelet hole diameter tolerance (D)+ | 0,1 mm |
| L1 in mm | 38.1 mm | L1 in inches | 1.5 inch |
| Insulation resistance | > 10 ¹⁰ Ω | Touch-safe protection acc. to DIN VDE 0470 | IP 20 |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch, plugged | | |


Material data

| | | | |
|---------------------------|--------|---------------------------------------|--------|
| Insulating material | PA GF | Colour | Black |
| Insulating material group | II | UL 94 flammability rating | V-0 |
| CTI | ≥ 500 | Contact material | Cu-Leg |
| Contact surface | tinned | 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) | 41 A |
| Rated current, number of poles (Tu=40°C), min | 41 A | Rated current, number of poles (Tu=40°C), max. | 41 A |
| Rated voltage for surge voltage class pollution degree III/3 | 630 V | Rated impulse voltage for surge voltage classcontamination degree III/3 | 6 kV |
| Rated voltage for surge voltage class pollution degree III/2 | 630 V | Rated impulse voltage for surge voltage classpollution degree III/2 | 6 kV |
| Rated voltage for surge voltage class pollution degree II/2 | 1,000 V | Rated impulse voltage for surge voltage classpollution degree II/2 | 6 kV |
| Short-time withstand current resistance | 3 x 1s with 420 A | | |

CSA rating data

| | | | |
|-----------------------------|---|-----------------------------|-------|
| Institute (CSA) |  | Rated voltage (Use group B) | 300 V |
| Rated current (use group B) | 35 A | Rated voltage (Use group C) | 300 V |
| Rated current (use group C) | 35 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) | 40.5 A |
| Rated voltage (use group C) | 300 V | Rated current (use group C) | 40.5 A |
| Rated voltage (use group D) | 600 V | Rated current (use group D) | 5 A |

Datenblatt

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Technische Daten

Classifications

| | | | |
|------------|-------------|------------|-------------|
| UNSPSC | 30-21-18-10 | eClass 5.1 | 27-26-07-04 |
| eClass 6.2 | 27-26-07-04 | eClass 7.1 | 27-44-04-02 |

Notes

- Notes
- Additional colours on request
 - Rated current related to rated cross-section & min. No. of poles.
 - P on drawing = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Approvals

Approvals



ROHS Conform

Downloads

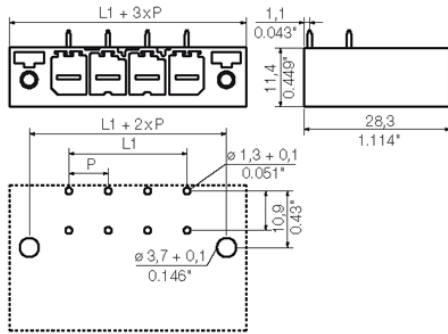
- CAD Library (P-CAD Format - ASCII) [SV.zip](#)
- CAD Library (P-CAD Format - Standard) [SV.zip](#)
- [3D Modell](#)

Datenblatt

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Zeichnungen

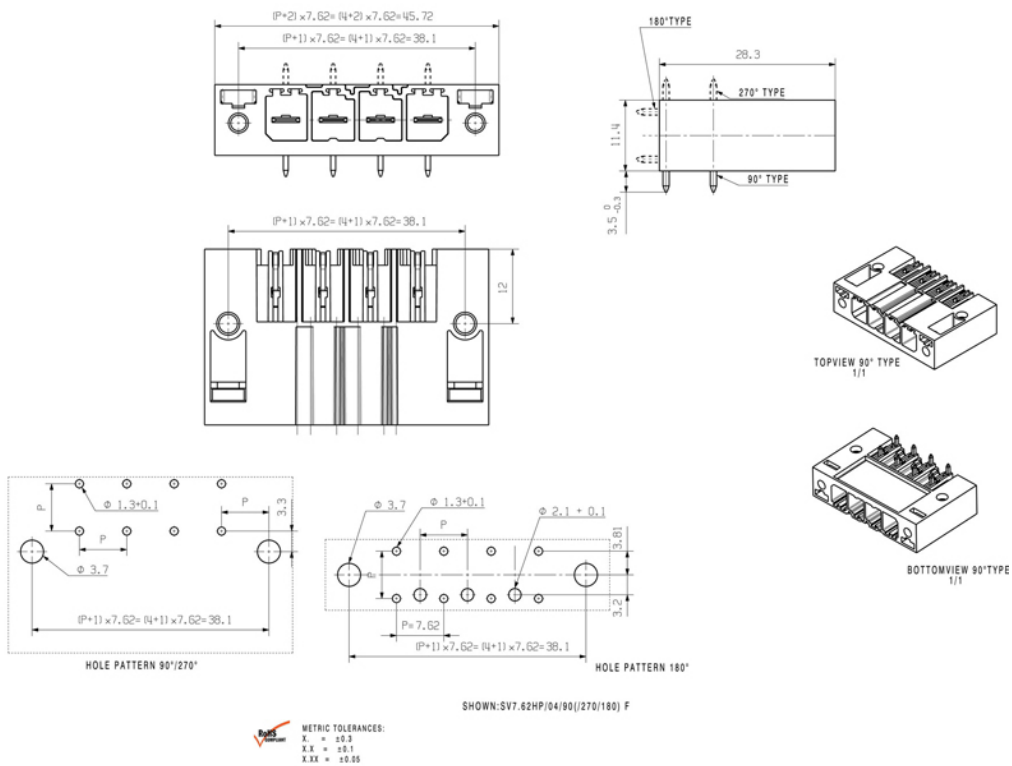


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Zeichnungen

Dimensioned drawing



Weidmüller PCB components are tested to the DIN EN 61984 standard, and are valid for its field of application. Provided that the components are used to the intended purpose, all requirements with respect to the occurring electrical, mechanical, thermal and corrosive stress will be satisfied.