

SV 7.62HP/02/180G 3.5SN BK BX

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

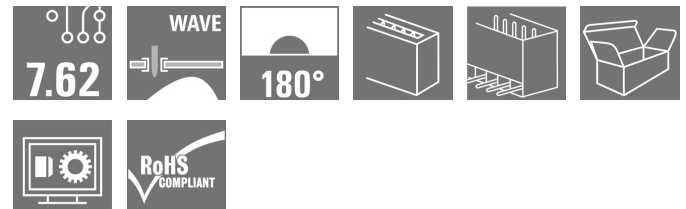
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Product image

Similar to illustration

Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

Article - short description PCB plug-in connector, male header, closed side, THT solder connection, 7.62 mm, Number of poles: 2, 180°, Solder pin length: 3.5 mm, tinned, black, Box

Material number [1930600000](#)

Short text for material SV 7.62HP/02/180G 3.5SN BK BX

EAN 4032248580576

Qty. 120 pc(s).

Creation date November 18, 2020 2:27:06 PM CET

Catalogue status 18.11.2020 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|---------|-----------------|------------|
| Depth | 11.4 mm | Depth (inches) | 0.449 inch |
| Height | 31.8 mm | Height (inches) | 1.252 inch |
| Height of lowest version | 28.3 mm | Net weight | 3.58 g |

System specifications

| | | | |
|--|--------------------------------------|--|--|
| Product family | OMNIMATE Power - series BV/SV 7.62HP | Type of connection | Board connection |
| Mounting onto the PCB | THT solder connection | Pitch in mm | 7.62 mm |
| Pitch in inches | 0.3 inch | Outgoing elbow | 180° |
| Number of poles | 2 | Number of solder pins per pole | 2 |
| Solder pin length | 3.5 mm | Solder pin length tolerance | +0.1 / -0.3 mm |
| Solder pin dimensions | 0.8 x 1.0 mm | Diameter of solder eyelet | 1.3 mm |
| Tolerance of the diameter of the solder eyelet | + 0,1 mm | L1 in mm | 7.62 mm |
| L1 in inches | 0.3 inch | Number of rows | 1 |
| Pin series quantity | 1 | Touch-safe protection acc. to DIN VDE 57 106 | Touch-safe above the printed circuit board |
| Touch-safe protection acc. to DIN VDE 0470 | IP 20 | Volume resistance | 2.00 mΩ |
| Can be coded | Yes | Plugging cycles | 25 |

Material data

| | | | |
|---------------------------------------|--------------------------------|---------------------------------------|--------------------------------|
| Insulating material | PA GF | Colour | black |
| Colour chart (similar) | RAL 9011 | Insulating material group | II |
| Comparative Tracking Index (CTI) | ≥ 500 | Insulation strength | ≥ 10 ⁸ Ω |
| UL 94 flammability rating | V-0 | Contact material | Copper alloy |
| Contact surface | tinned | Layer structure of solder connection | 1...3 μm Ni / 4...6 μm Sn matt |
| Layer structure of plug contact | 1...3 μm Ni / 4...6 μm Sn matt | Storage temperature, min. | -40 °C |
| Storage temperature, max. | 70 °C | Operating temperature, min. | -50 °C |
| Operating temperature, max. | 130 °C | Temperature range, installation, min. | -25 °C |
| Temperature range, installation, max. | 130 °C | | |

Rated data acc. to IEC

| | | | |
|---|------------------------|---|-------------------|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C) | 57 A |
| Rated current, max. number of poles (Tu=20°C) | 41 A | Rated current, min. number of poles (Tu=40°C) | 41 A |
| Rated current, max. number of poles (Tu=40°C) | 41 A | Rated voltage for surge voltage class / pollution degree II/2 | 1,000 V |
| Rated voltage for surge voltage class / pollution degree III/2 | 630 V | Rated voltage for surge voltage class / pollution degree III/3 | 630 V |
| Rated impulse voltage for surge voltage class/ pollution degree II/2 | 6 kV | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 6 kV |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 6 kV | Short-time withstand current resistance | 3 x 1s with 420 A |

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200039-1121690

Technical data

Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

www.weidmueller.com

Rated voltage (Use group B / CSA) 300 V

Rated voltage (Use group C / CSA) 300 V

Rated voltage (Use group D / CSA) 600 V

Rated current (Use group B / CSA) 35 A

Rated current (Use group C / CSA) 35 A

Rated current (Use group D / CSA) 5 A

Reference to approval values

Specifications are maximum values, details - see approval certificate.

Rated data acc. to UL 1059

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (Use group B / UL 1059) 300 V

Rated voltage (Use group C / UL 1059) 300 V

Rated voltage (Use group D / UL 1059) 600 V

Rated current (Use group B / UL 1059) 40.5 A

Rated current (Use group C / UL 1059) 40.5 A

Rated current (Use group D / UL 1059) 5 A

Clearance distance, min. 6.9 mm

Creepage distance, min. 9.6 mm

Reference to approval values

Specifications are maximum values, details - see approval certificate.

Packing

| | | | |
|-----------|--------|------------|--------|
| Packaging | Box | VPE length | 90 mm |
| VPE width | 110 mm | VPE height | 130 mm |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002637 | ETIM 7.0 | EC002637 |
| eClass 9.0 | 27-44-04-02 | eClass 9.1 | 27-44-04-02 |
| eClass 10.0 | 27-44-04-02 | eClass 11.0 | 27460201 |

Approvals

| | |
|-----------------------|-----------------|
| Approvals | CSA; CURUS; EAC |
| ROHS | Conform |
| UL File Number Search | E60693 |

Data sheet**SV 7.62HP/02/180G 3.5SN BK BX****Weidmüller Interfaces GmbH & Co. KG**

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info@weidmueller.comwww.weidmueller.com**Technical data****Downloads**Approval/Certificate/Document of
Conformity[Declaration of the Manufacturer](#)

Brochure/Catalogue

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[FL_BASE_STATION_EN](#)
[FL ELEVATOR EN](#)
[FL POWER SUPPLY EN](#)
[FL 72H SAMPLE SER EN](#)
[PO OMNIMATE EN](#)

Engineering Data

[EPLAN, WSCAD](#)

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Drawings

Dimensional drawing

