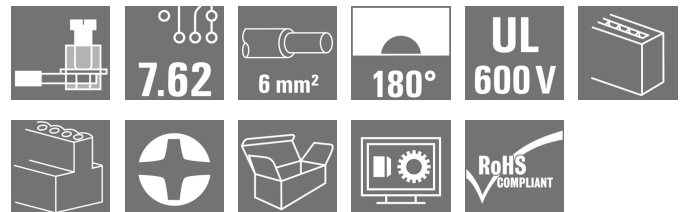


**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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



High-performance female header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, protection against faulty wiring, 4-point contact. Suitable for labelling.

**General ordering data**

Type	BVZ 7.62HP/02/180 SN BK BX
Order No.	<a href="#">1929930000</a>
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm², Box
GTIN (EAN)	4032248579716
Qty.	100 pc(s).
Product data	IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 40.5 A / AWG 24 - AWG 8
Packaging	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Technical data**
**Dimensions and weights**

Net weight 10.88 g

**System parameters**

Product family	OMNIMATE Power - series BV/SV 7.62HP	Type of connection	Screw connection
Wire connection method	Clamping yoke connection	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	Conductor outlet direction	180°
No. of poles	2	L1 in mm	7.62 mm
L1 in inches	0.3 inch	Number of rows	1
Pin series quantity	1	Rated cross-section	6 mm <sup>2</sup>
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Touch-safe protection acc. to DIN VDE 0470	IP 20
Volume resistance	4.50 mΩ	Can be coded	Yes
Stripping length	12 mm	Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.6 Nm	Clamping screw	M 3
Screwdriver blade	0.6 x 3.5	Plugging cycles	25
push-in force/pole	12 N	Withdrawal force per pole	7 N
Packaging	Box		

**Material data**

Insulating material	PA GF	Colour	Black
Colour chart (similar)	RAL 9011	Insulating material group	II
CTI	≥ 500	Insulation resistance	≥ 10 <sup>8</sup> Ω
UL 94 flammability rating	V-0	Contact base material	Copper alloy
Contact material	Copper alloy	Contact surface	tinned
Layer structure of plug contact	6-8 μm Sn glossy	Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C	Max. relative humidity during storage	80 %
Operating temperature, min.	-50 °C	Operating temperature, max.	125 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

**Conductors suitable for connection**

Clamping range, rated connection, min.	0.2 mm <sup>2</sup>	Clamping range, rated connection, max.	6 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section AWG, max.	AWG 8
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	10 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>
w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	6 mm <sup>2</sup>
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 mm; 2.4 mm		


**OMNIMATE Power - series BV/SV 7.62HP  
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**Technical data****Rated data acc. to IEC**

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Ta = 20°C)	57 A
Rated current, min. no. of poles (Ta = 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	1,000 V	Rated voltage for surge voltage class / pollution degree III/3	800 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	8 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	8 kV	Short-time withstand current resistance	3 x 1s with 420 A
Clearance, min.	10.2 mm	Creepage distance, min.	13.8 mm

**Rated data acc. to CSA**

Institute (CSA)		Certificate No. (CSA)	200039-1534443
Rated voltage (Use group B)	600 V	Rated voltage (Use group C)	600 V
Rated voltage (use group D)	600 V	Rated current (use group B)	40.5 A
Rated current (use group C)	40.5 A	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 8
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)	600 V	Rated voltage (use group C)	600 V
Rated voltage (use group D)	600 V	Rated current (use group B)	40.5 A
Rated current (use group C)	40.5 A	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 8
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

**Classifications**

ETIM 4.0	EC002637	ETIM 5.0	EC002637
ETIM 6.0	EC002637	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	eClass 8.1	27-44-04-02
eClass 9.0	27-44-04-02	eClass 9.1	27-44-04-02

**Data sheet**

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Technical data**

**Notes**

Notes	<ul style="list-style-type: none"> <li>• Additional colours on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• P on drawing = pitch</li> <li>• 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.</li> </ul>
IPC conformity	The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

**Approvals**

Approvals



ROHS Conform

**Downloads**

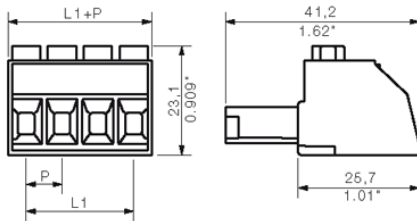
Approval/Certificate/Document of Conformity	<a href="#">Declaration of the Manufacturer</a>
Brochure/Catalogue	<a href="#">FL DRIVES EN</a> <a href="#">MB DEVICE MANUF. EN</a> <a href="#">FL DRIVES DE</a> <a href="#">CAT 2 PORTFOLIOGUIDE EN</a> <a href="#">FL HEATING ELECTR EN</a> <a href="#">FL APPL_INVERTER EN</a> <a href="#">FL_BASE_STATION_EN</a> <a href="#">FL ELEVATOR EN</a> <a href="#">FL POWER SUPPLY EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
Motion controllers white paper	<a href="#">Download Whitepaper</a>
White Paper UL 600 V	<a href="#">Download Whitepaper</a>

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

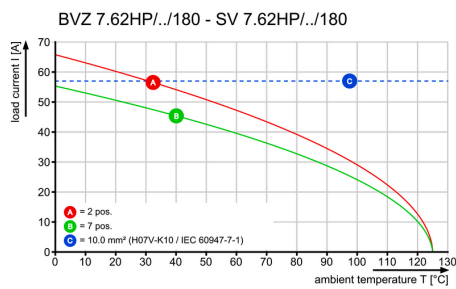
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**Drawings**

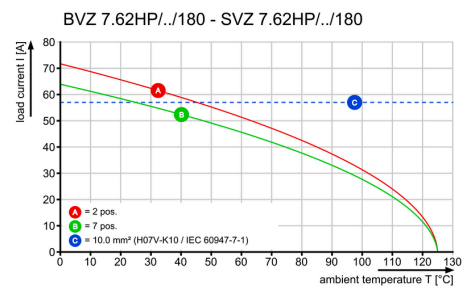
**Dimensional drawing**



**Graph**



**Graph**



**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SV 7.62HP 270G SN**


Single-row, high-current and high-performance male connectors 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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV 7.62HP/02/270G 3.5SN BK BX	<a href="#">1931260000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 7.62 mm, No. of poles: 2, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248581283	120 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A	Box

**SV 7.62HP 180G SN**


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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV 7.62HP/02/180G 3.5SN BK BX	<a href="#">1930600000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 7.62 mm, No. of poles: 2, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248580576	120 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SVD 7.62HP 270G SN**


Double-row high-current, high-performance pin headers, with or without flange, for fast, tool-free locking. Optimised for "book-size modules" measuring 50mm wide and above. With integrated mounting option for mounting to the housing wall. Exceptional reliability and operational safety thanks to 100% failsafe mating profile, unique coding and optional additional screw mounting in the flange.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVD 7.62HP/04/270G 3.2SN BK BX	<a href="#">1543290000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 7.62 mm, No. of poles: 4, 270°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4050118348323	60 pc(s).	IEC: 1000 V / 47 A UL: 300 V / 25 A	Box

**SV 7.62HP 180GX SN**


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**

Delivery status	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
Discontinued	SV 7.62HP/02/180GX 3.5SN BK BX	<a href="#">1930930000</a>	PCB plug-in connector, male header, closed side / anti-rotation feature, THT solder connection, 7.62 mm, No. of poles: 2, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248580903	100 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SV 7.62HP 90G SN**


Single-row, high-current and high-performance male connectors 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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV 7.62HP/02/90G 3.5SN BK BX	<a href="#">1930270000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 7.62 mm, No. of poles: 2, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248580149	120 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A	Box

**SVZ 7.62HP 180 SN**

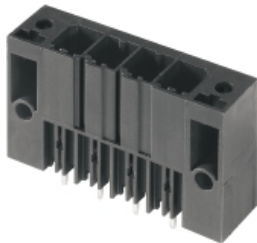

High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVZ 7.62HP/02/180G SN BK BX	<a href="#">1931620000</a>	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box	4032248581627	100 pc(s).	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup> UL: 600 V / 42 A / AWG 24 - AWG 8	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

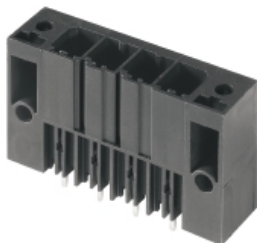
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**Mating connector (conditionally pluggable)**
**SV 7.62HP 180SF SN**


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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV 7.62HP/02/180SF 3.5SN BK BX	<a href="#">1930820000</a>	PCB plug-in connector, male header, Screw/clip-on flange, THT solder connection, 7.62 mm, No. of poles: 2, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248580798	60 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A	Box

**SV 7.62HP 180SFX SN**


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**

Delivery status	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
Discontinued	SV 7.62HP/02/180SFX 3.5SN BK BX	<a href="#">1931150000</a>	PCB plug-in connector, male header, Screw flange / clip-on flange / anti-rotation feature, THT solder connection, 7.62 mm, No. of poles: 2, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248581160	100 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)****SVZ 7.62HP 180SFC SN**

High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVZ 7.62HP/02/180SFC SN BK BX	<a href="#">1950990000</a>	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box	4032248629893	100 pc(s).	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup> UL: 600 V / 42 A / AWG 24 - AWG 8	Box

**SV 7.62HP 270F SN**

Single-row, high-current and high-performance male connectors 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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV 7.62HP/02/270F 3.5SN BK BX	<a href="#">1931370000</a>	PCB plug-in connector, male header, Clip-on flange, THT solder connection, 7.62 mm, No. of poles: 2, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248580408	60 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SVZ 7.62HP 180FI SN**


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVZ 7.62HP/02/180FI SN BK BX	<a href="#">1932070000</a>	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box	4032248582181	100 pc(s).	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup> UL: 600 V / 42 A / AWG 24 - AWG 8	Box

**SVZ 7.62HP 180SFI SN**


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVZ 7.62HP/02/180SFI SN BK BX	<a href="#">1932180000</a>	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box	4032248582297	100 pc(s).	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup> UL: 600 V / 42 A / AWG 24 - AWG 8	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SVZ 7.62HP 180F SN**


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVZ 7.62HP/02/180F SN BK BX	<a href="#">1931740000</a>	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box	4032248581733	100 pc(s).	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup> UL: 600 V / 42 A / AWG 24 - AWG 8	Box

**SVZ 7.62HP 180SF SN**


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVZ 7.62HP/02/180SF SN BK BX	<a href="#">1931960000</a>	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box	4032248581979	100 pc(s).	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup> UL: 600 V / 42 A / AWG 24 - AWG 8	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SV 7.62HP 90SF SN**


Single-row, high-current and high-performance male connectors 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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV 7.62HP/02/90SF 3.5SN BK BX	<a href="#">1930490000</a>	PCB plug-in connector, male header, Screw/clip-on flange, THT solder connection, 7.62 mm, No. of poles: 2, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248580460	60 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A	Box

**SVZ 7.62HP 180FC SN**


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVZ 7.62HP/02/180FC SN BK BX	<a href="#">1950880000</a>	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box	4032248629732	100 pc(s).	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup> UL: 600 V / 42 A / AWG 24 - AWG 8	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

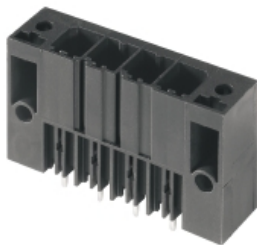
**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Mating connector (conditionally pluggable)**
**SV 7.62HP 270SF SN**


Single-row, high-current and high-performance male connectors 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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV 7.62HP/02/270SF 3.5SN BK BX	<a href="#">1931480000</a>	PCB plug-in connector, male header, Screw/clip-on flange, THT solder connection, 7.62 mm, No. of poles: 2, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box	403224858151160	pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A	Box

**SV 7.62HP 180FX SN**


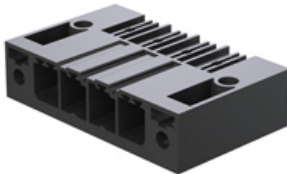
Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional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

**General ordering data**

Delivery status	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
Discontinued	SV 7.62HP/02/180FX 3.5SN BK BX	<a href="#">1931040000</a>	PCB plug-in connector, male header, Clip-on flange / anti-rotation feature, THT solder connection, 7.62 mm, No. of poles: 2, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248581016	100 pc(s).	IEC: 1000 V / 57 A UL: 300 V / 40.5 A

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

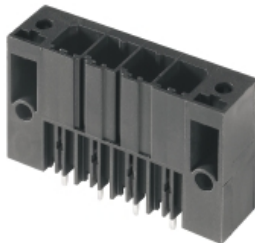
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**Mating connector (conditionally pluggable)**
**SV 7.62HP 90F SN**


Single-row, high-current and high-performance male connectors 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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV	<a href="#">1930380000</a>	PCB plug-in connector, male	4032248580255	60 pc(s).	IEC: 1000 V / 57 A	Box
7.62HP/02/90F		header, Clip-on flange, THT			UL: 300 V / 40.5 A	
3.5SN BK BX		solder connection, 7.62 mm, No. of poles: 2, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box				

**SV 7.62HP 180F SN**


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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SV	<a href="#">1930710000</a>	PCB plug-in connector, male	4032248580682	60 pc(s).	IEC: 1000 V / 57 A	Box
7.62HP/02/180F		header, Clip-on flange, THT			UL: 300 V / 40.5 A	
3.5SN BK BX		solder connection, 7.62 mm, No. of poles: 2, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box				

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SVD 7.62HP 270F SN**


Double-row high-current, high-performance pin headers, with or without flange, for fast, tool-free locking. Optimised for "book-size modules" measuring 50mm wide and above. With integrated mounting option for mounting to the housing wall. Exceptional reliability and operational safety thanks to 100% failsafe mating profile, unique coding and optional additional screw mounting in the flange.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SVD	<a href="#">1523940000</a>	PCB plug-in connector, male	4050118329810	33 pc(s).	IEC: 1000 V / 47 A	Box
7.62HP/04/270F		header, Flange, THT solder			UL: 300 V / 25 A	
3.2SN BK BX		connection, 7.62 mm, No. of poles: 4, 270°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Accessories****Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDIK PH1	<a href="#">9008570000</a>	Screwdriver, Blade length: 80 mm	4032248056569	1 pc(s).

**Additional accessories****No task is too small when creating the perfect solution.** br />

Connections form just one part of the overall process. Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.

A system is not a system without small but useful details:

- Test plugs - ensure reliable pick-up from diagnostic sockets
- Cross-connectors - ensure a stable electrical distribution contact directly at the connection
- Compartment partition elements - divide a large number of male connectors into several separate socket connector channels
- Locks and clips - optional vibration-resistant clip-on connection or mounting for male and female connectors

In tandem with the manufacturing process and application - more accessories = smaller workload

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BV/SV 7.62HP/02 ARPL GR	<a href="#">1937570000</a>	PCB plug-in connector, Accessories, Mounting Plate, Grey, No. of poles: 2	4032248608850	50 pc(s).	UL:	Box
BV/SV 7.62HP/04 ARPL GR	<a href="#">1937580000</a>	PCB plug-in connector, Accessories, Mounting Plate, Grey, No. of poles: 4	4032248608867	50 pc(s).	UL:	Box

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Accessories**
**PZ**

**Crimping tools for wire end ferrules, with and without plastic collars**

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
PZ 6/5	<a href="#">9011460000</a>	Crimping tool, Crimping tool for wire-end ferrules, 0.25mm <sup>2</sup> , 6mm <sup>2</sup> , Trapezoidal indentation crimp	4008190165352	1 pc(s).

**Slotted screwdriver**

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip


**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 0.8X4.5X125	<a href="#">9009020000</a>	Screwdriver, Blade width (B): 4.5 mm, Blade length: 125 mm, Blade thickness (A): 0.8 mm	4032248266883	1 pc(s).

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

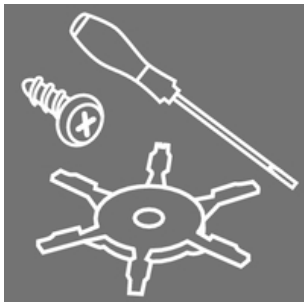
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**Accessories**
**Slotted screwdriver**

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip


**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDIS 0.8X4.0X100	<a href="#">9008400000</a>	Screwdriver, Blade width (B): 4 mm, Blade length: 100 mm, Blade thickness (A): 0.8 mm	403224805636 1	pc(s).

**Coding elements**

**OMNIMATE Power BV / SV 7.62HP – the 28 kVA performance class**
**Tailor-made solutions for high performers**

More power reserves for higher load bearing capacity: The OMNIMATE Power BV / SV 7.62HP is the middle-class of the power connector systems. It has a large clamping capacity, high overload resistance and the largest range of variants and accessories to choose from: the high performer of the HP range. HP means High Performance – this performance covers a great deal: the full rated current up to 50°C without derating, unlimited 600-V approval according to UL, and the additional finger safety for 400 V-TN systems (+ 3.0 mm) in compliance with the application directive IEC 61800-5-1.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BV/SV 7.62HP KO RD	<a href="#">2007300000</a>	PCB plug-in connector, Accessories, Coding element, Red, No. of poles: 1	4050118392715 20	pc(s).	UL:	Box

## OMNIMATE Power - series BV/SV 7.62HP BVZ 7.62HP/02/180 SN BK BX

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# Accessories

### Adapters for rail mounting



#### Clip on and use!

From the circuit board in the control cabinet: snap-on or mounting feet form the link between plug-in connectors and terminal rails.

Compatible with all standard sizes: TS 15 or TS 35. Combination foot or variations available.

The quick alternative to screw connections: unbeatable ease of installation and service.

The mounting foot for the terminal rails allows the universal use of pluggable connection systems on the module, the enclosure and the control cabinet and avoids patchwork solutions.

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BV/SV7.62HP	<a href="#">193760000</a>	PCB plug-in connector,	4032248608898	100 pc(s).	UL:	Box
MOFU GR		Accessories, Mounting foot, Light Grey				

### Strain reliefs



#### For frequent load changes: the "trailer coupling" for plug-in connectors.

The strain relief can do more than just relieve the strain on conductors:

Simply clip onto the plug and

- bundle conductors
- guide cables
- use as a connection and disconnection aid

No damage to the connecting points, clear, tidy wiring and easy to handle.

User advantages: permanent heavy-duty connections for harsh industrial environments and convenient operation ensure improved system availability.

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BV/SV	<a href="#">1937550000</a>	PCB plug-in connector,	4032248608836	50 pc(s).	UL:	Box
7.62HP/02 ZE		Accessories, Strain relief,				
GR		Light Grey, No. of poles: 2				
BV/SV	<a href="#">1937560000</a>	PCB plug-in connector,	4032248608843	50 pc(s).	UL:	Box
7.62HP/04 ZE		Accessories, Strain relief,				
GR		Light Grey, No. of poles: 4				

**Data sheet**

**OMNIMATE Power - series BV/SV 7.62HP  
BVZ 7.62HP/02/180 SN BK BX**

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**Accessories**

**Crosshead screwdriver Phillips**

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip



**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDK PH1	<a href="#">9008480000</a>	Screwdriver, Blade width (B): 4.5 mm, Blade length: 80 mm	4032248056477	1 pc(s).

