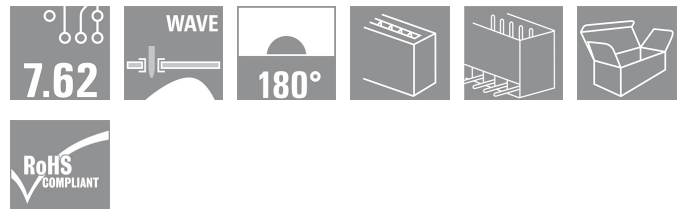
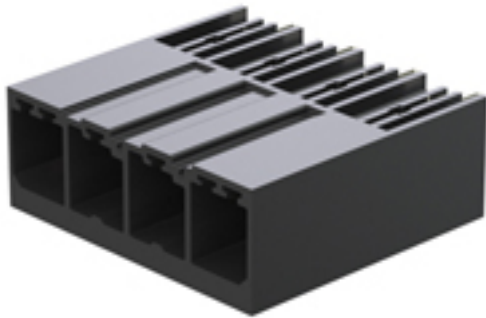


BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 www.weidmueller.com



Single-row, high-performance male connector, 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) / 32 A (UL)

General ordering data

Order No.	1931000000
Type	SV 7.62HP/09/180GX 3.5SN BK BX
Version	PCB plug-in connector, male header, Closed-sided / anti-rotation feature, Solder connection, 7.62 mm, No. of poles: 9, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box
Product data	IEC: 1000 V / 41 A UL: 300 V / 35 A
GTIN (EAN)	4032248580972
Packaging	Box
Qty.	50 pc(s).

Creation date May 28, 2012 10:38:26 AM CEST

BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX

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Technical data
System parameters

Product family	BV/SV 7.62HP series	Mounting onto the PCB	Solder connection
Outgoing elbow	180°	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	No. of poles	9
Solder pin length (l)	3.5 mm	Pin dimensions	0.8 x 1.0 mm
Can be coded	Yes	Number of rows	1
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	60.96 mm
L1 in inches	2.4 inch	Insulation resistance	10 ⁶ 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	Flammability class UL 94	V-0
CTI	≥ 500	Contact material	Copper alloy
Contact surface	tinned	Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	130 °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)	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 class/ contamination degree III/3	6 kV
Rated voltage for surge voltage class / pollution degree III/2	630 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	6 kV
Rated voltage for surge voltage class / pollution degree II/2	1,000 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	6 kV
Short-time withstand current resistance	3 x 1s with 420 A		

CSA rating data

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)	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

Classifications

UNSPSC	30-21-18-10	eClass 5.1	27-26-07-04
eClass 6.0	27-26-07-04	eClass 7.0	27-44-04-02

Data sheet...**BV/SV 7.62HP series**
SV 7.62HP/09/180GX 3.5SN BK BX**Weidmüller Interface GmbH & Co. KG**
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www.weidmueller.com**Technical data****Notes**

Notes

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = 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

DownloadsCAD Library (P-CAD Format - ASCII) [SV.LIA](#)CAD Library (P-CAD Format - Standard) [SV.LIB](#)

**BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX**

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Mating connector (fully pluggable)
BVL 7.62HP 90 SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1928350000	BVL 7.62HP/09/90 3.5SN BK BX	PCB plug-in connector, female header, closed side, A	IEC: 1000 V / 41 Solder connection, 7.62 mm, No. of poles: 9, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248577552	Box	50 pc(s)

BVL 7.62HP 180 SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1928690000	BVL 7.62HP/09/180 3.5SN BK BX	PCB plug-in connector, female header, closed side, A	IEC: 1000 V / 41 Solder connection, 7.62 mm, No. of poles: 9, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	4032248578047	Box	50 pc(s)

BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX

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Mating connector (fully pluggable)
BVZ 7.62HP 180 SN


High-performance female connector with the tried-and-tested, guaranteed zero-maintenance, Weidmüller steel clamping yoke. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact. Suitable for labelling

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1930000000	BVZ 7.62HP/09/180 SN BK BX	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm ² , Box	IEC: 1000 V / 41 A / 0.2 - 6 mm ² / 35	4032248579785	Box	100 pc(s)

BVL 7.62HP 270 SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1929370000	BVL 7.62HP/09/270 3.5SN BK BX	PCB plug-in connector, female header, closed side, Solder connection, 7.62 mm, No. of poles: 9, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box	IEC: 1000 V / 41 A / 300 V / 35 A	4032248578719	Box	50 pc(s)

BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX

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Mating connector (conditionally pluggable)
BVZ 7.62HP 180F SN


High-performance female connector with the tried-and-tested, guaranteed zero-maintenance, Weidmüller steel clamping yoke. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact. Suitable for labelling

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1930120000	BVZ 7.62HP/09/180F SN BK BX	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm ² , Box	IEC: 1000 V / 41 A / 0.2 - 6 mm ² / 35	4032248579891	Box	50 pc(s)

BVL 7.62HP 270SFI SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1929590000	BVL 7.62HP/09/270SFI 3.5SN BK BX	PCB plug-in connector, female header, Screw/clip-on flange, reversed, Solder connection, 7.62 mm, No. of poles: 9, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box	IEC: 1000 V / 41 A / 300 V / 35 A	4032248579037	Box	50 pc(s)

**BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX**

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Mating connector (conditionally pluggable)
BVZ 7.62HP 180SF SN


High-performance female connector with the tried-and-tested, guaranteed zero-maintenance, Weidmüller steel clamping yoke. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact. Suitable for labelling

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1930230000	BVZ 7.62HP/09/180SF SN BK BX	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm ² , Box	IEC: 1000 V / 41 A / 0.2 - 6 mm ² / 35 UL: 600 V / 35 AWG 24 - AWG 10	4032248580101	Box	50 pc(s)

BVL 7.62HP 270FI SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1929480000	BVL 7.62HP/09/270FI 3.5SN BK BX	PCB plug-in connector, female header, Clip-on flange, inverted, Solder connection, 7.62 mm, No. of poles: 9, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box	IEC: 1000 V / 41 A / 300 V / 35 A	4032248578924	Box	50 pc(s)

BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX

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Mating connector (conditionally pluggable)
BVL 7.62HP 90SFI SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1928570000	BVL 7.62HP/09/90SFI 3.5SN BK BX	PCB plug-in connector, female header, Screw/clip-on flange, reversed, Solder connection, 7.62 mm, No. of poles: 9, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box	IEC: 1000 V / 41 A UL: 300 V / 35 A	4032248577798	Box	50 pc(s)

BVL 7.62HP 90FI SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1928460000	BVL 7.62HP/09/90FI 3.5SN BK BX	PCB plug-in connector, female header, Clip-on flange, inverted, Solder connection, 7.62 mm, No. of poles: 9, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box	IEC: 1000 V / 41 A UL: 300 V / 35 A	4032248577682	Box	50 pc(s)

BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX

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Mating connector (conditionally pluggable)
BVL 7.62HP 180FI SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1928800000	BVL 7.62HP/09/180FI 3.5SN BK BX	PCB plug-in connector, female header, Clip-on flange, inverted, Solder connection, 7.62 mm, No. of poles: 9, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	IEC: 1000 V / 41 A UL: 300 V / 35 A	4032248578153	Box	50 pc(s)

BVL 7.62HP 180SFI SN


High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1928930000	BVL 7.62HP/09/180SFI 3.5SN BK BX	PCB plug-in connector, female header, Screw/clip-on flange, reversed, Solder connection, 7.62 mm, No. of poles: 9, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box	IEC: 1000 V / 41 A UL: 300 V / 35 A	4032248578276	Box	50 pc(s)

**BV/SV 7.62HP series
SV 7.62HP/09/180GX 3.5SN BK BX**

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Mating connector (conditionally pluggable)
BVZ 7.62HP 180(S)FC SN


High-performance female connector with the tried-and-tested, guaranteed zero-maintenance, Weidmüller steel clamping yoke. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact. Suitable for labelling

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Packaging	Qty.
1929700000	BVZ 7.62HP/09/180FC SN BK BX	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm ² , Box	IEC: 1000 V / 41 A / 0.2 - 6 mm ² / 35	4032248579334	Box	50 pc(s).
1929810000	BVZ 7.62HP/09/180SFC SN BK BX	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm ² , Box	IEC: 1000 V / 41 A / 0.2 - 6 mm ² / 35	4032248579587	Box	50 pc(s).