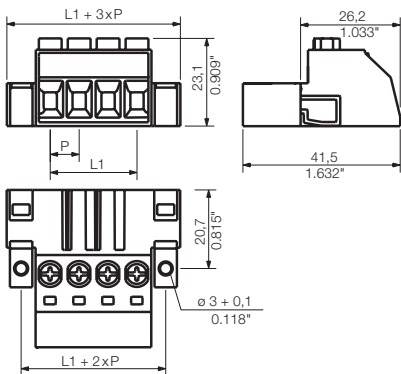


SVZ 7.62HP/.. /180F



Dimensioned drawing



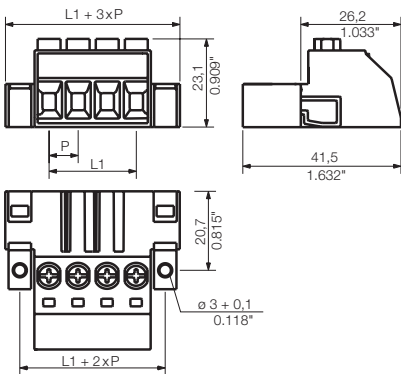
Ordering data

Solder pin length					
Colour					black
Pitch 7.62 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	100	1931740000	
3	15.24	0.600	100	1931760000	
4	22.86	0.900	100	1931820000	
5	30.48	1.200	50	1931840000	
6	38.10	1.500	50	1931850000	
7	45.72	1.800	50	1931860000	

SVZ 7.62HP/.. /180SF



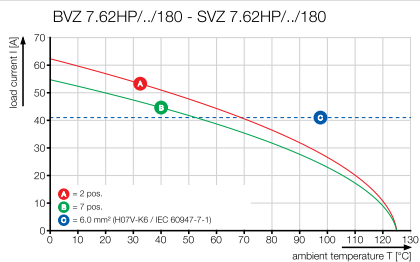
Dimensioned drawing



Ordering data

Solder pin length					
Colour					black
Pitch 7.62 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	100	1931960000	
3	15.24	0.600	100	1931970000	
4	22.86	0.900	100	1931980000	
5	30.48	1.200	50	1931990000	
6	38.10	1.500	50	1932000000	
7	45.72	1.800	50	1932010000	

Additional derating curves



Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

SVZ 7.62HP/./180FC



Male plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (FL) and a screw flange (SFC).

Product data

IEC: 1000 V / 41 A / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

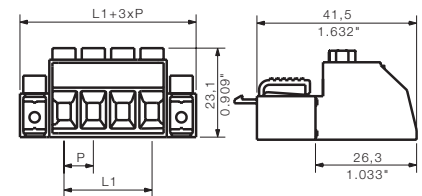
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVZ 7.62HP/./180FC



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.2...6	
Solid core H05(07) V-U	mm²	0.2...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.5...6	
Flexible with ferrule	mm²	0.25...6	
Ferrule with plastic collar	mm²	0.25...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	41	41
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	6	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	800	1000 1000
Rated impulse voltage	kV	8	8 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

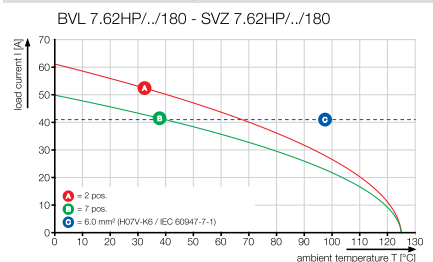
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Strain relief	
BV/SV 7.62HP/02 ZE GR	1937550000
BV/SV 7.62HP/04 ZE GR	1937560000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crosshead screwdriver	
SDK PH1	9008480000

Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1950880000
3	15.24	0.600	100	1950890000
4	22.86	0.900	100	1950900000
5	30.48	1.200	50	1950910000
6	38.10	1.500	50	1950920000
7	45.72	1.800	50	1950930000

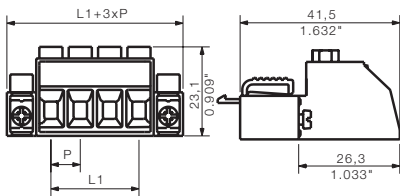
Representative derating curve



SVZ 7.62HP/./180SFC



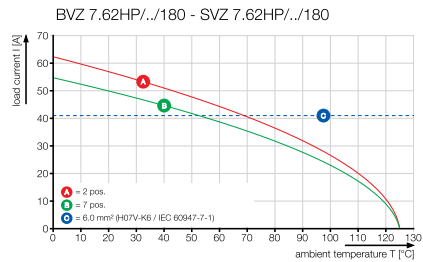
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1950990000
3	15.24	0.600	100	1951000000
4	22.86	0.900	100	1951010000
5	30.48	1.200	50	1951020000
6	38.10	1.500	50	1951030000
7	45.72	1.800	50	1951050000

Additional derating curves



Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

SVZ 7.62HP/./180FI



Male plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Also perfect for finger-safe solutions involving inverse voltages for board-to-wire connections. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

Variants: flange and screw flange mountings.
• Available with a flange (FI) and a screw flange (SFI).

Product data

IEC: 1000 V / 41 A / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

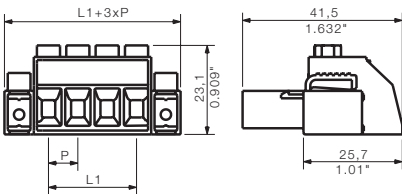
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Wire end ferrule without plastic collar to DIN 46228/1
 - Wire end ferrule with plastic collar to DIN 46228/4
 - 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.

SVZ 7.62HP/./180FI







Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.2...6	
Solid core H05(07) V-U	mm²	0.2...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.5...6	
Flexible with ferrule	mm²	0.25...6	
Ferrule with plastic collar	mm²	0.25...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	41	41
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	6	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	800	1000 1000
Rated impulse voltage	kV	8	8 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

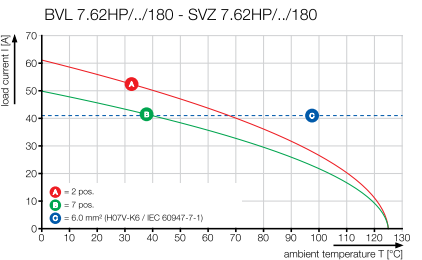
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Strain relief		
	BV/SV 7.62HP/02 ZE GR	1937550000
	BV/SV 7.62HP/04 ZE GR	1937560000
Screwdriver		
	SD 0,8x4,5x125	9009020000
Crosshead screwdriver		
	SDK PH1	9008480000

Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1932070000
3	15.24	0.600	100	1932080000
4	22.86	0.900	100	1932090000
5	30.48	1.200	50	1932100000
6	38.10	1.500	50	1932110000
7	45.72	1.800	50	1932120000

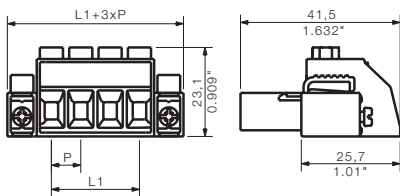
Representative derating curve



SVZ 7.62HP/./180SFI



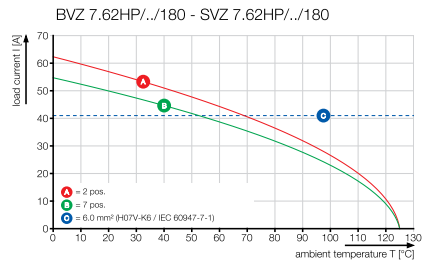
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1932180000
3	15.24	0.600	100	1932190000
4	22.86	0.900	100	1932200000
5	30.48	1.200	50	1932210000
6	38.10	1.500	50	1932220000
7	45.72	1.800	50	1932230000

Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

SVZ 7.62HP/./180SH



Male plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with shield in three different orientations.

Product data

IEC: 1000 V / 41 A / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

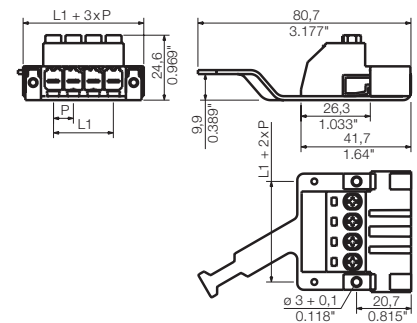
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVZ 7.62HP/./180SH150



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...6
Solid core H05(07) V-U	mm²	0.2...6
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...6
Flexible with ferrule	mm ²	0.25...6
Ferrule with plastic collar	mm ²	0.25...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A
Tightening torque range	Nm	0.5...0.6
Rated current, max.	A	41 41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	800 1000 1000
Rated impulse voltage	kV	8 8 6
UL / CUL (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
CSA (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
General data		
Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

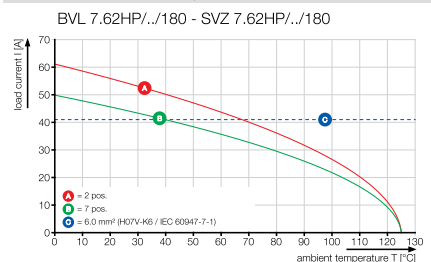
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crosshead screwdriver	
SDK PH1	9008480000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1932290000
4	22.86	0.900	25	1932300000
5	30.48	1.200	25	1932310000
6	38.10	1.500	25	1932320000

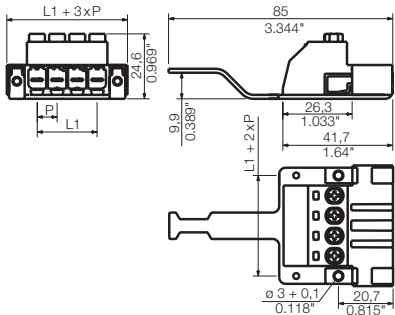
Representative derating curve



SVZ 7.62HP/.. /180SH180



Dimensioned drawing



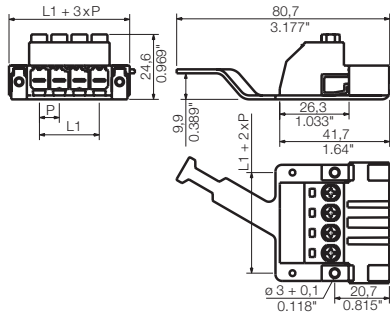
Ordering data

Solder pin length				
Colour			black	
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1932460000
4	22.86	0.900	25	1932470000
5	30.48	1.200	25	1932480000
6	38.10	1.500	25	1932490000

SVZ 7.62HP/.. /180SH210



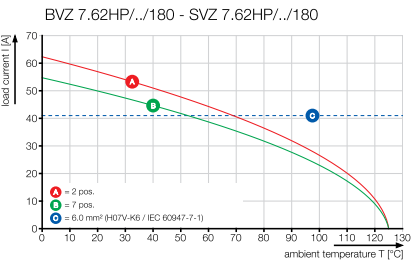
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1932540000
4	22.86	0.900	25	1932550000
5	30.48	1.200	25	1932560000
6	38.10	1.500	25	1932570000

Additional derating curves



Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

SVZ 7.62HP../180SH C



Female plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with shield in three different orientations.

Product data

IEC: 1000 V / 41 A / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

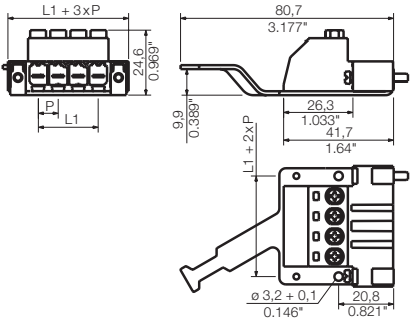
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVZ 7.62HP../180SH150C






Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...6	
Solid core H05(07) V-U	mm²	0.2...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...6	
Flexible with ferrule	mm ²	0.25...6	
Ferrule with plastic collar	mm ²	0.25...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	41	41
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	6	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	800	1000
Rated impulse voltage	kV	8	6
UL / CUL (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

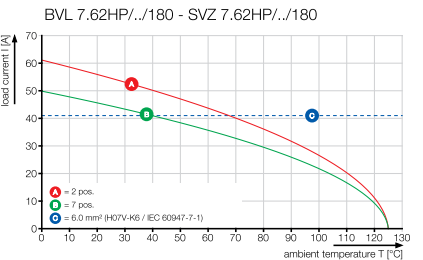
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SD 0,8x4,5x125	9009020000
Crosshead screwdriver		
	SDK PH1	9008480000

Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1951110000
4	22.86	0.900	25	1951120000
5	30.48	1.200	25	1951130000
6	38.10	1.500	25	1951140000

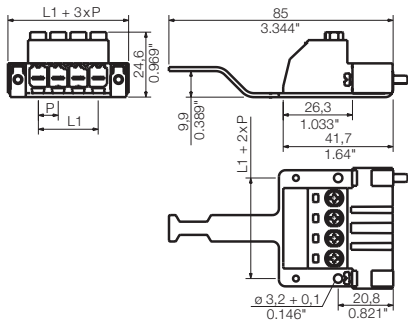
Representative derating curve



SVZ 7.62HP/./180SH180C



Dimensioned drawing



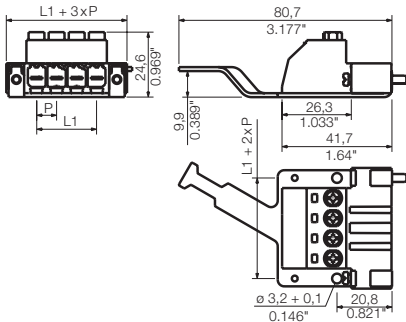
Ordering data

Solder pin length				
Colour			black	
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1951150000
4	22.86	0.900	25	1951160000
5	30.48	1.200	25	1951170000
6	38.10	1.500	25	1951180000

SVZ 7.62HP/./180SH210C



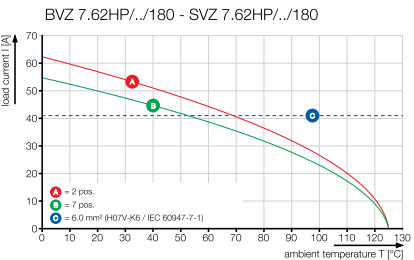
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1951190000
4	22.86	0.900	25	1951200000
5	30.48	1.200	25	1951210000
6	38.10	1.500	25	1951220000

Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

SVZ 7.62HP../180SH I



Male plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Also perfect for finger-safe solutions involving inverse voltages for board-to-wire connections. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with shield in three different orientations.

Product data

IEC: 1000 V / 41 A / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

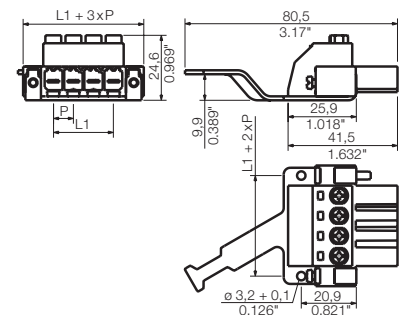
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVZ 7.62HP../180SH150I



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...6
Solid core H05(07) V-U	mm²	0.2...6
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...6
Flexible with ferrule	mm ²	0.25...6
Ferrule with plastic collar	mm ²	0.25...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A
Tightening torque range	Nm	0.5...0.6
Rated current, max.	A	41 41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	800 1000 1000
Rated impulse voltage	kV	8 8 6
UL / CUL (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
CSA (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
General data		
Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

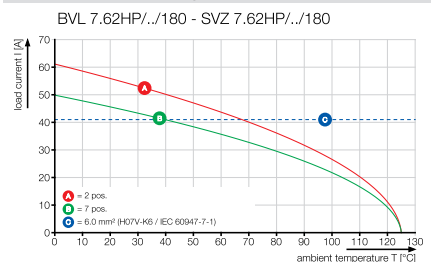
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crosshead screwdriver	
SDK PH1	9008480000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1932330000
4	22.86	0.900	25	1932340000
5	30.48	1.200	25	1932350000
6	38.10	1.500	25	1932360000

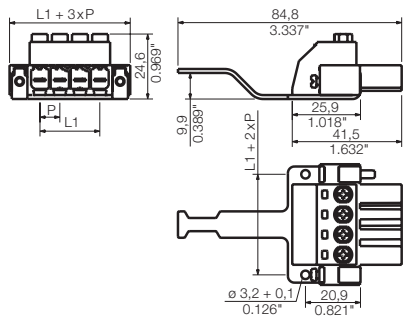
Representative derating curve



SVZ 7.62HP/./180SH180I



Dimensioned drawing



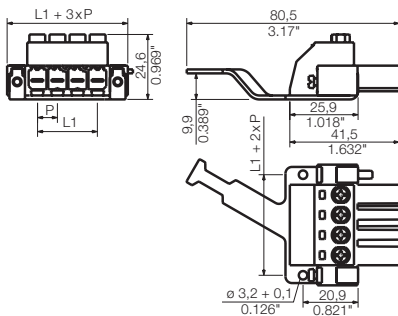
Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1932500000
4	22.86	0.900	25	1932510000
5	30.48	1.200	25	1932520000
6	38.10	1.500	25	1932530000

SVZ 7.62HP/./180SH210I



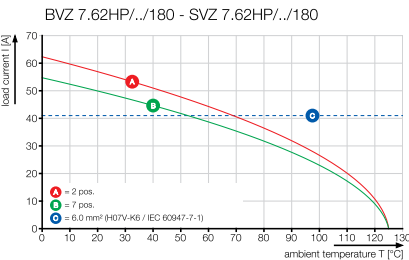
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1932580000
4	22.86	0.900	25	1932590000
5	30.48	1.200	25	1932600000
6	38.10	1.500	25	1932610000

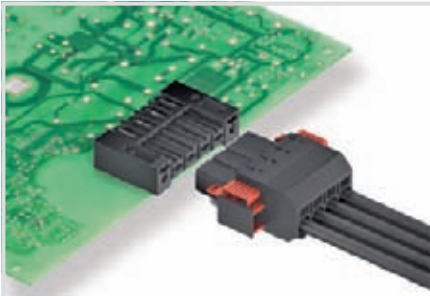
Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

SVF 7.62HP/./180



Male plug in 180° outlet direction and PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (F) and a screw flange (SF).

Product data

IEC: 1000 V / 41 / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

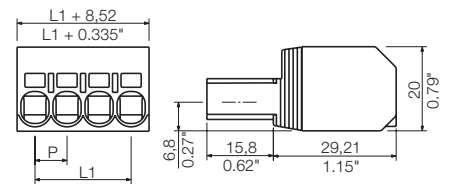
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVF 7.62HP/./180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.5...10	
Solid core H05(07) V-U	mm²	0.5...10	
Stranded H07 V-R		...10	
Flexible H05(07) V-K	mm²	0.5...	
Flexible with ferrule	mm²	1.5...4	
Ferrule with plastic collar	mm²	1.5...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	41	41
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	6	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	800	1000
Rated impulse voltage	kV	8	6
UL / CUL (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

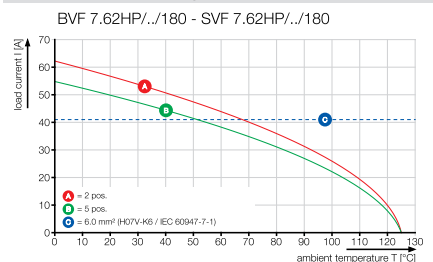
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crimping tool	
PZ 6/5	9011460000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	95	1060830000
3	15.24	0.600	65	1060840000
4	22.86	0.900	45	1060850000
5	30.48	1.200	40	1060870000
6	38.10	1.500	30	1060880000

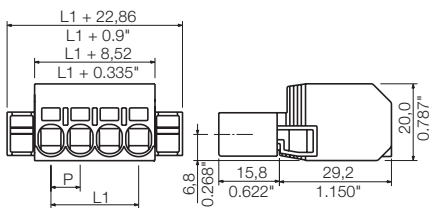
Representative derating curve



SVF 7.62HP/./180F



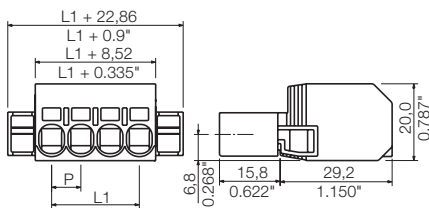
Dimensioned drawing



SVF 7.62HP/./180SF



Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1060900000
3	15.24	0.600	40	1060910000
4	22.86	0.900	30	1060920000
5	30.48	1.200	25	1060930000

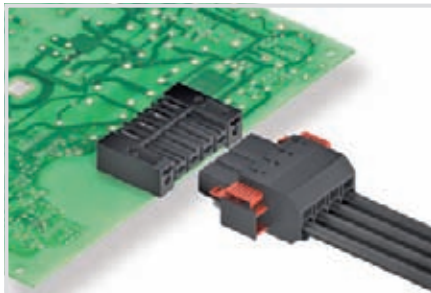
Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1060950000
3	15.24	0.600	40	1060970000
4	22.86	0.900	30	1060980000
5	30.48	1.200	25	1061000000

Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

SVF 7.62HP../180 I



Male plug in 180° outlet direction and PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages for board-to-wire connections. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (FI) and a screw flange (SFI).

Product data

IEC: 1000 V / 41 / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

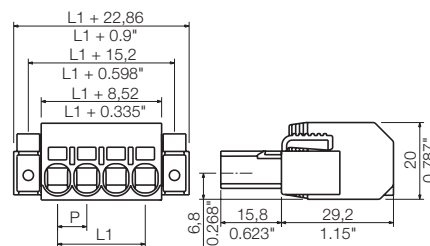
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVF 7.62HP../180FI



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.5...10
Solid core H05(07) V-U	mm²	0.5...10
Stranded H07 V-R		...10
Flexible H05(07) V-K	mm ²	0.5...
Flexible with ferrule	mm ²	1.5...4
Ferrule with plastic collar	mm ²	1.5...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A
Tightening torque range	Nm	
Rated current, max.	A	41 41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	800 1000 1000
Rated impulse voltage	kV	8 8 6
UL / CUL (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
CSA (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
General data		
Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

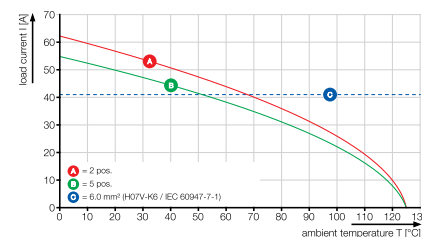
Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crimping tool	
PZ 6/5	9011460000

Ordering data

Solder pin length					
Colour					black
Pitch	7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	50	1124750000	
3	15.24	0.600	40	1124760000	
4	22.86	0.900	30	1124770000	
5	30.48	1.200	25	1124780000	

Representative derating curve

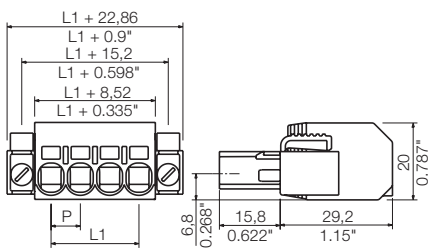
BVF 7.62HP../180 - SVF 7.62HP../180



SVF 7.62HP/./180SFI



Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1124810000
3	15.24	0.600	40	1124820000
4	22.86	0.900	30	1124830000
5	30.48	1.200	25	1124840000

Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

SVF 7.62HP../180MF



Male plug in 180° outlet direction with PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Middle flange is available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 41 / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

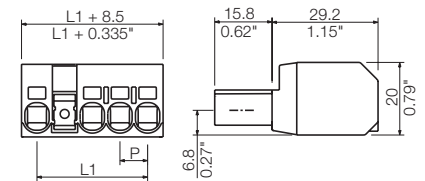
For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVF 7.62HP../180MF2

Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...10	
Solid core H05(07) V-U	mm²	0.5...10	
Stranded H07 V-R		...10	
Flexible H05(07) V-K	mm ²	0.5...	
Flexible with ferrule	mm ²	1.5...4	
Ferrule with plastic collar	mm ²	1.5...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	41	41
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	6	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	800	1000
Rated impulse voltage	kV	8	8
UL / CUL (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	35
AWG conductor	AWG	24-10	5
CSA (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	35
AWG conductor	AWG	24-10	5
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

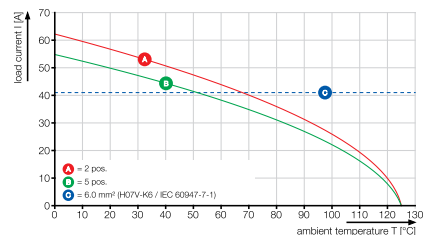
Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crimping tool	
PZ 6/5	9011460000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	65	1061020000
3	15.24	0.600	50	1061030000

Representative derating curve

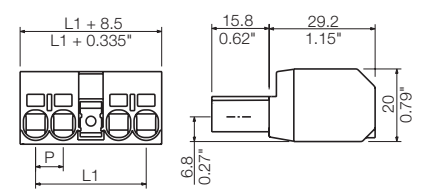
BVF 7.62HP../180 - SVF 7.62HP../180



SVF 7.62HP/./180MF3



Dimensioned drawing



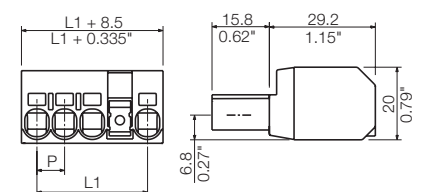
Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1061040000
4	22.86	0.900	40	1061050000
5	30.48	1.200	30	1061070000

SVF 7.62HP/./180MF4



Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
5	30.48	1.200	30	1061080000

Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

SVF 7.62HP../180MSF



Male plug in 180° outlet direction with PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Middle flange is available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 41 / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

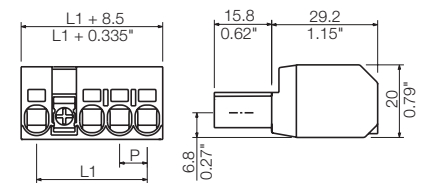
For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SVF 7.62HP../180MSF2

Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.5...10
Solid core H05(07) V-U	mm²	0.5...10
Stranded H07 V-R		...10
Flexible H05(07) V-K	mm ²	0.5...
Flexible with ferrule	mm ²	1.5...4
Ferrule with plastic collar	mm ²	1.5...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A
Tightening torque range	Nm	
Rated current, max.	A	41 41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	800 1000 1000
Rated impulse voltage	kV	8 8 6
UL / CUL (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
CSA (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
General data		
Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

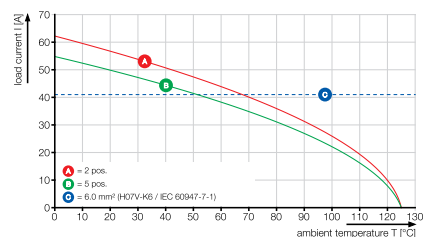
Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,6x3,5x100	9008330000
SDI 0,6x3,5x100	9008390000
Crimping tool	
PZ 6/5	9011460000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	65	1061110000
3	15.24	0.600	50	1061120000

Representative derating curve

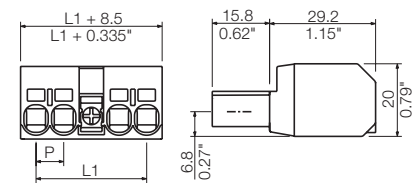
BVF 7.62HP../180 - SVF 7.62HP../180



SVF 7.62HP/./180MSF3



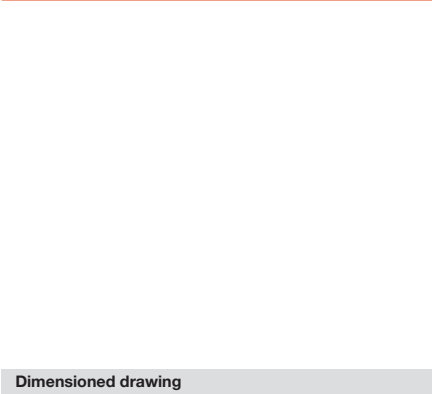
Dimensioned drawing



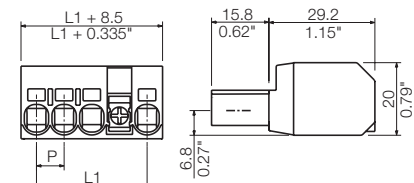
Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1061130000
4	22.86	0.900	40	1061140000
5	30.48	1.200	30	1061150000

SVF 7.62HP/./180MSF4



Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
5	30.48	1.200	30	1061170000

Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

BVZ 7.62HP/./180



Female plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (F), screw flange (SF) and clip on screw flange (SFC)

Product data

IEC: 1000 V / 41 / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

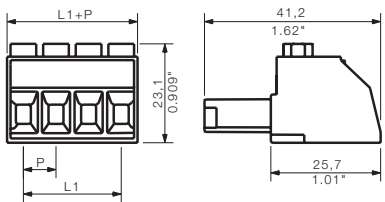
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BVZ 7.62HP/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...6	
Solid core H05(07) V-U	mm²	0.2...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...6	
Flexible with ferrule	mm ²	0.25...6	
Ferrule with plastic collar	mm ²	0.25...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	41	41
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	6	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	800	1000 1000
Rated impulse voltage	kV	8	8 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

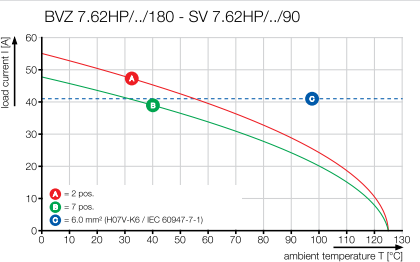
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Strain relief	
BV/SV 7.62HP/02 ZE GR	1937550000
BV/SV 7.62HP/04 ZE GR	1937560000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crosshead screwdriver	
SDK PH1	9008480000

Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929930000
3	15.24	0.600	100	1929940000
4	22.86	0.900	100	1929950000
5	30.48	1.200	50	1929960000
6	38.10	1.500	50	1929970000
7	45.72	1.800	50	1929980000

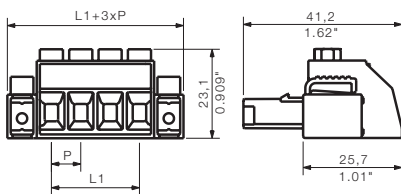
Representative derating curve



BVZ 7.62HP/./180F



Dimensioned drawing



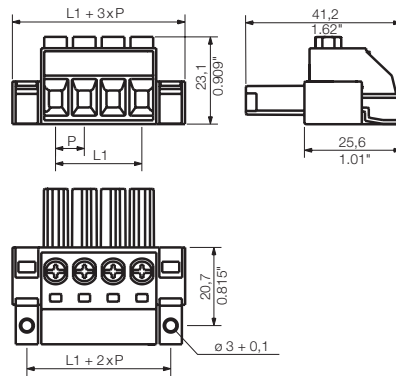
Ordering data

Solder pin length					
Colour					black
Pitch	7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	100	1930050000	
3	15.24	0.600	100	1930060000	
4	22.86	0.900	100	1930070000	
5	30.48	1.200	50	1930080000	
6	38.10	1.500	50	1930090000	
7	45.72	1.800	50	1930100000	

BVZ 7.62HP/./180SF



Dimensioned drawing



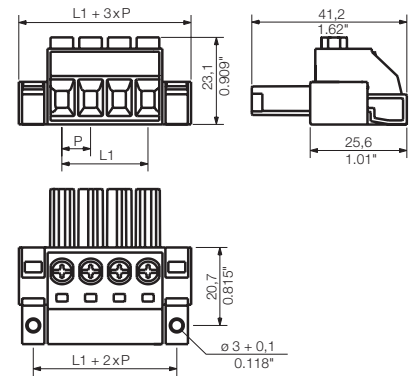
Ordering data

Solder pin length					
Colour					black
Pitch	7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	100	1930160000	
3	15.24	0.600	100	1930170000	
4	22.86	0.900	100	1930180000	
5	30.48	1.200	50	1930190000	
6	38.10	1.500	50	1930200000	
7	45.72	1.800	50	1930210000	

BVZ 7.62HP/./180SFC



Dimensioned drawing

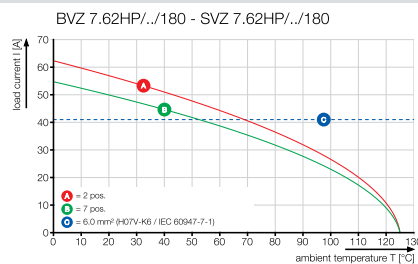
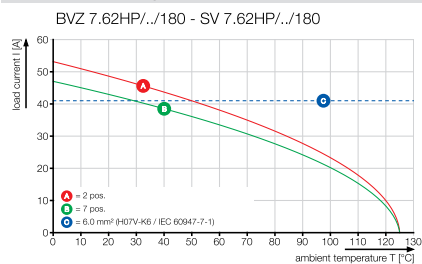


Ordering data

Solder pin length					
Colour					black
Pitch	7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	100	1929740000	
3	15.24	0.600	100	1929750000	
4	22.86	0.900	100	1929760000	
5	30.48	1.200	50	1929770000	
6	38.10	1.500	50	1929780000	
7	45.72	1.800	50	1929790000	

Also available with a clip-on flange (...180FC).

Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

BVZ 7.62HP../180SH



Female plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with shield in three different orientations.

Product data

IEC: 1000 V / 41 / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

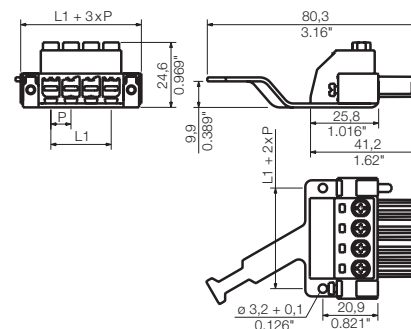
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BVZ 7.62HP../180SH150



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...6
Solid core H05(07) V-U	mm ²	0.2...6
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...6
Flexible with ferrule	mm ²	0.25...6
Ferrule with plastic collar	mm ²	0.25...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A
Tightening torque range	Nm	0.5...0.6
Rated current, max.	A	41 41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	800 1000 1000
Rated impulse voltage	kV	8 8 6
UL / CUL (Use Group)	B C D	D
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
CSA (Use Group)	B C D	D
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
General data		
Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

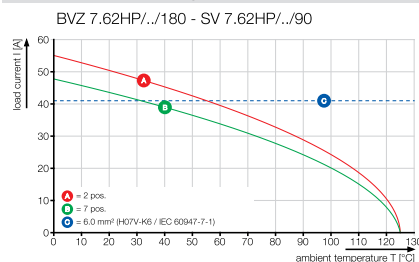
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Strain relief	
BV/SV 7.62HP/02 ZE GR	1937550000
BV/SV 7.62HP/04 ZE GR	1937560000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crosshead screwdriver	
SDK PH1	9008480000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1929850000
4	22.86	0.900	25	1929860000
5	30.48	1.200	25	1929870000
6	38.10	1.500	25	1929880000

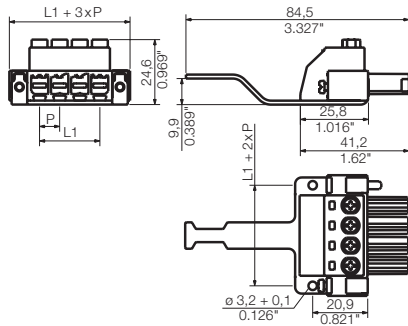
Representative derating curve



BVZ 7.62HP/./180SH180



Dimensioned drawing



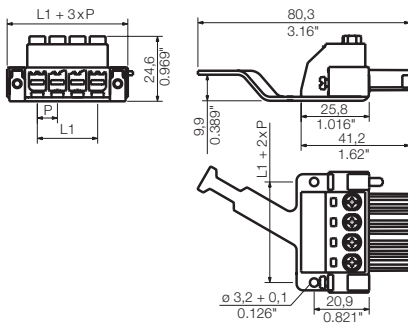
Ordering data

Solder pin length				
Colour			black	
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933340000
4	22.86	0.900	25	1933350000
5	30.48	1.200	25	1933360000
6	38.10	1.500	25	1933370000

BVZ 7.62HP/./180SH210



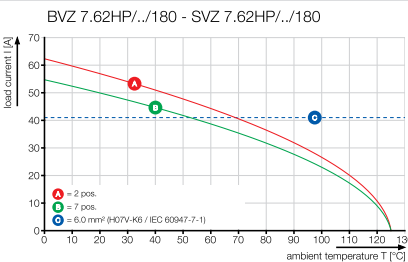
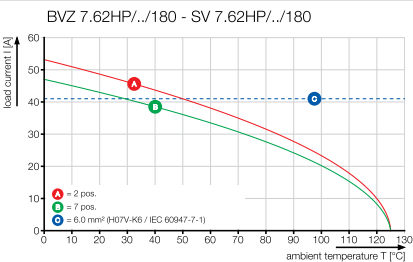
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933430000
4	22.86	0.900	25	1933440000
5	30.48	1.200	25	1933450000
6	38.10	1.500	25	1933460000

Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

BVZ 7.62HP/./180SH C



Female plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with shield in three different orientations.

Product data

IEC: 1000 V / 41 / 0.2 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

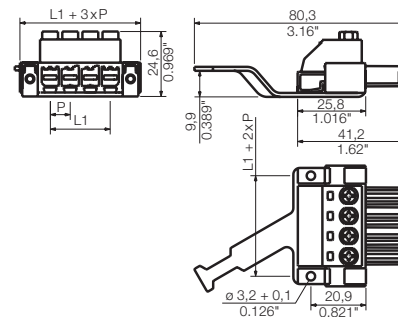
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BVZ 7.62HP/./180SH150C



Dimensioned drawing






Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...6
Solid core H05(07) V-U	mm²	0.2...6
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...6
Flexible with ferrule	mm ²	0.25...6
Ferrule with plastic collar	mm ²	0.25...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A
Tightening torque range	Nm	0.5...0.6
Rated current, max.	A	41 41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	800 1000 1000
Rated impulse voltage	kV	8 8 6
UL / CUL (Use Group)	B C D	D
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
CSA (Use Group)	B C D	D
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
General data		
Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

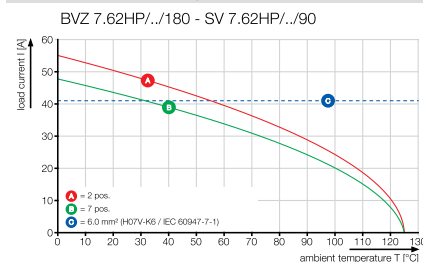
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
	
Strain relief	
BV/SV 7.62HP/02 ZE GR	1937550000
BV/SV 7.62HP/04 ZE GR	1937560000
	
Screwdriver	
SD 0,8x4,5x125	9009020000
	
Crosshead screwdriver	
SDK PH1	9008480000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1929890000
4	22.86	0.900	25	1929900000
5	30.48	1.200	25	1929910000
6	38.10	1.500	25	1929920000

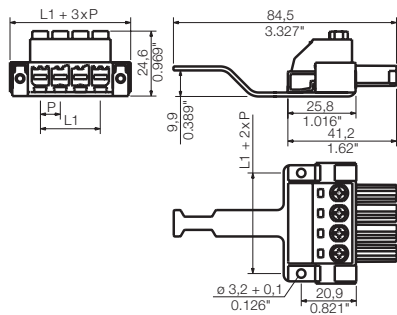
Representative derating curve



BVZ 7.62HP/./180SH180C



Dimensioned drawing



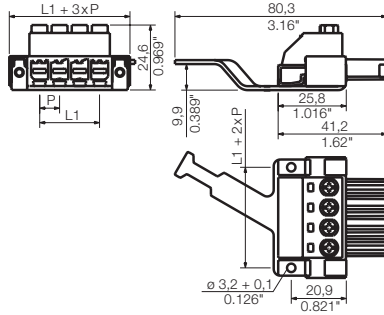
Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933380000
4	22.86	0.900	25	1933390000
5	30.48	1.200	25	1933400000
6	38.10	1.500	25	1933410000

BVZ 7.62HP/./180SH210C



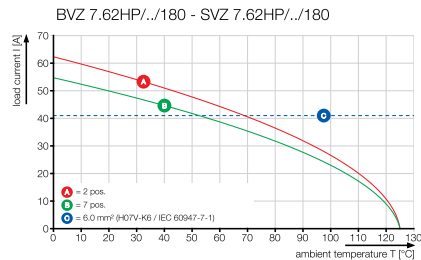
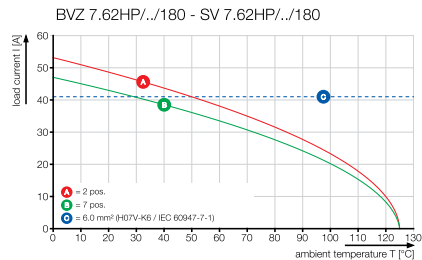
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933470000
4	22.86	0.900	25	1933480000
5	30.48	1.200	25	1933490000
6	38.10	1.500	25	1933500000

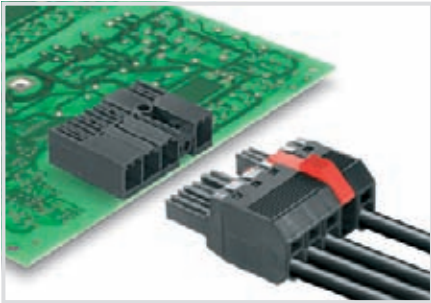
Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

BVF 7.62HP/./180



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (F), screw flange (SF) and middle flange (MF).

Product data

IEC: 1000 V / 41 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

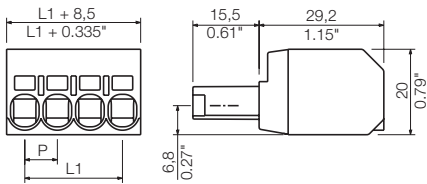
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BVF 7.62HP/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.5...10	
Solid core H05(07) V-U	mm²	0.5...10	
Stranded H07 V-R		...10	
Flexible H05(07) V-K	mm²	0.5...	
Flexible with ferrule	mm²	1.5...6	
Ferrule with plastic collar	mm²	1.5...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	41	41
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	6	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	800	1000
Rated impulse voltage	kV	8	6
UL / CUL (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

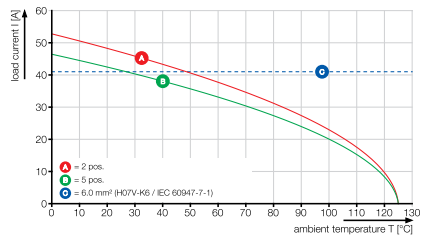
Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crimping tool	
PZ 6/5	9011460000

Ordering data

Solder pin length				
Colour	black			
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	95	1060390000
3	15.24	0.600	65	1060400000
4	22.86	0.900	45	1060410000
5	30.48	1.200	40	1060420000

Representative derating curve

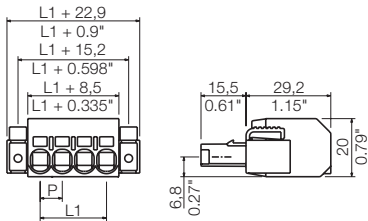
BVF 7.62HP/./180 - SV 7.62HP/./90



BVF 7.62HP/./180F



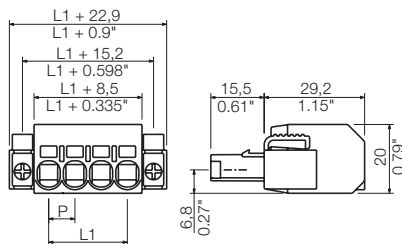
Dimensioned drawing



BVF 7.62HP/./180SF



Dimensioned drawing



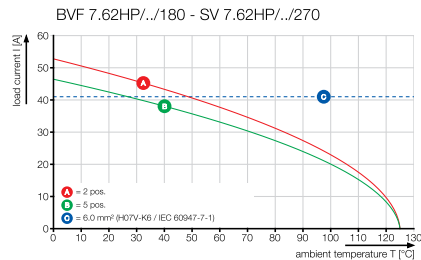
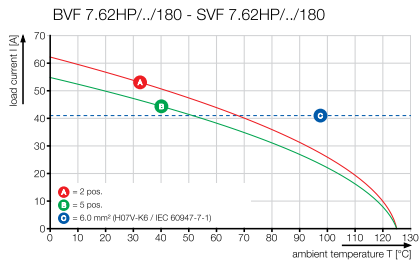
Ordering data

Solder pin length					
Colour					black
Pitch 7.62 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	50	1060440000	
3	15.24	0.600	40	1060450000	
4	22.86	0.900	30	1060470000	
5	30.48	1.200	25	1060480000	
6	38.10	1.500	25	1060490000	

Ordering data

Solder pin length					
Colour					black
Pitch 7.62 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	50	1060500000	
3	15.24	0.600	40	1060510000	
4	22.86	0.900	30	1060520000	
5	30.48	1.200	25	1060530000	
6	38.10	1.500	25	1060540000	

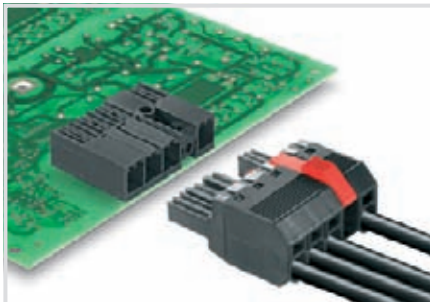
Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

BVF 7.62HP../180MF



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be

- Middle flange available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 41 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

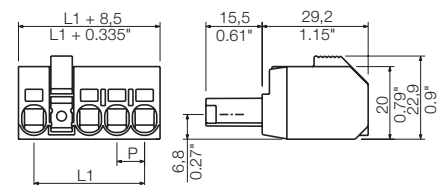
For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BVF 7.62HP../180MF2

Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.5...10
Solid core H05(07) V-U	mm²	0.5...10
Stranded H07 V-R		...10
Flexible H05(07) V-K	mm ²	0.5...
Flexible with ferrule	mm ²	1.5...6
Ferrule with plastic collar	mm ²	1.5...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A

Tightening torque range	Nm	
Rated current, max.	A	41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category	III	III
Pollution severity	3	2
Rated voltage	V	800
Rated impulse voltage	kV	8

UL / CUL (Use Group)	B	C	D
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	

CSA (Use Group)	B	C	D
Rated voltage	V	600	600
Rated current	A	35	5
AWG conductor	AWG	24-10	

General data		
Type of insulation material	PA GF	
Flammability class UL 94	V-0	
Contact base material	Copper alloy	
Material of contact surface	tinned	
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

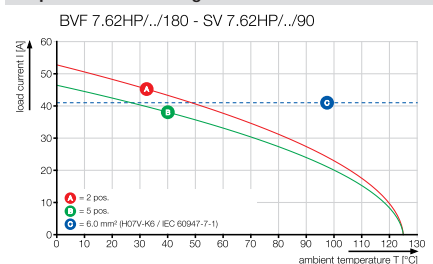
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Strain relief	
BV/SV 7.62HP/02 ZE GR	1937550000
BV/SV 7.62HP/04 ZE GR	1937560000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crimping tool	
PZ 6/5	9011460000

Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	65	1060550000
3	15.24	0.600	50	1060570000

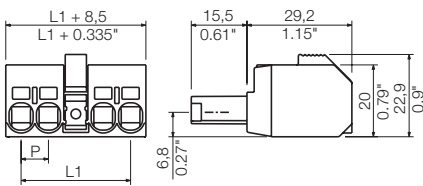
Representative derating curve



BVF 7.62HP/./180MF3



Dimensioned drawing



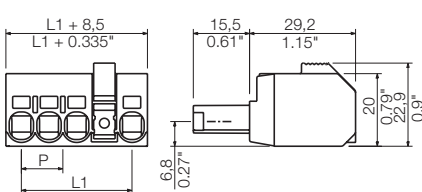
Ordering data

Solder pin length				
Colour			black	
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1060580000
4	22.86	0.900	40	1060590000
5	30.48	1.200	30	1060600000

BVF 7.62HP/./180MF4



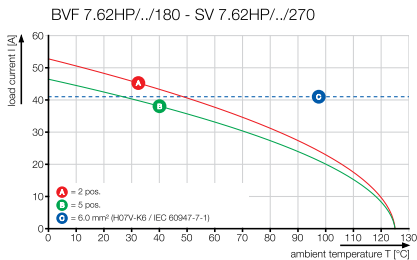
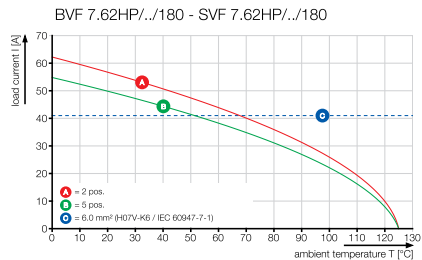
Dimensioned drawing



Ordering data

Solder pin length				
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
5	30.48	1.200	30	1060610000

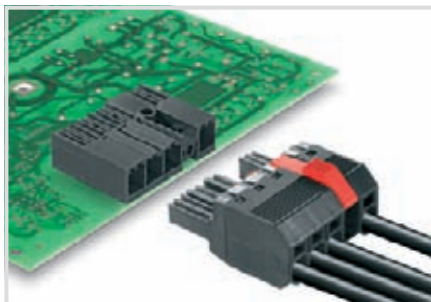
Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

BVF 7.62HP../180MSF



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Middle flange available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 41 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

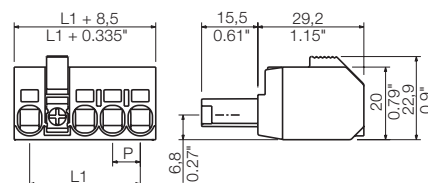
For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BVF 7.62HP../180MSF2

Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.5...10
Solid core H05(07) V-U	mm²	0.5...10
Stranded H07 V-R		...10
Flexible H05(07) V-K	mm ²	0.5...
Flexible with ferrule	mm ²	1.5...6
Ferrule with plastic collar	mm ²	1.5...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A
Tightening torque range	Nm	
Rated current, max.	A	41 41
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	6
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	800 1000 1000
Rated impulse voltage	kV	8 8 6
UL / CUL (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
CSA (Use Group)	B C D	
Rated voltage	V	600 600 600
Rated current	A	35 35 5
AWG conductor	AWG	24-10
General data		
Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

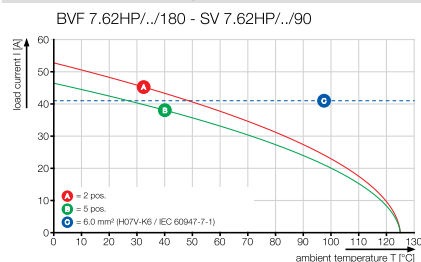
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crimping tool	
PZ 6/5	9011460000

Ordering data

Solder pin length				
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	65	1060630000
3	15.24	0.600	50	1060640000

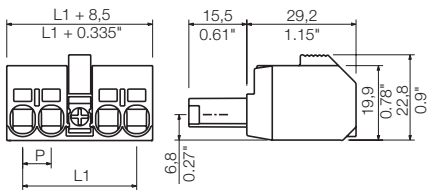
Representative derating curve



BVF 7.62HP/./180MSF3



Dimensioned drawing



Ordering data

Solder pin length

Colour

black

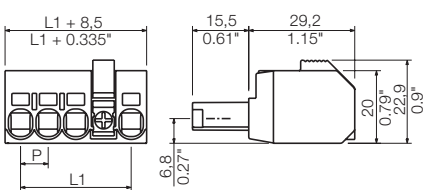
Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1060650000
4	22.86	0.900	40	1060670000
5	30.48	1.200	30	1060680000

BVF 7.62HP/./180MSF4



Dimensioned drawing



Ordering data

Solder pin length

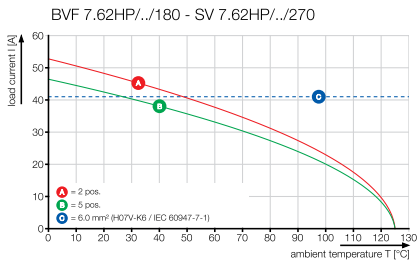
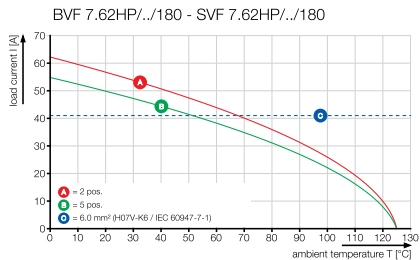
Colour

black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
5	30.48	1.200	30	1060690000

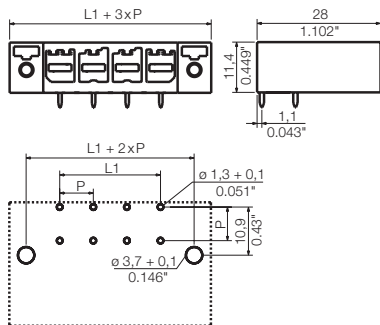
Additional derating curves



BVL 7.62HP/./90FI



Dimensioned drawing



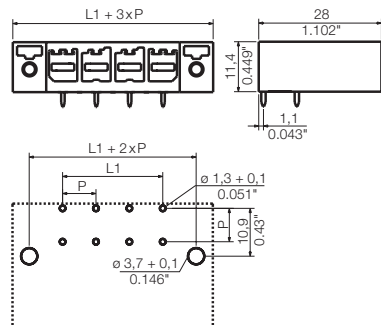
Ordering data

Solder pin length			3.5 mm	
Colour			black	
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1928390000
3	15.24	0.600	100	1928400000
4	22.86	0.900	100	1928410000
5	30.48	1.200	50	1928420000
6	38.10	1.500	50	1928430000
7	45.72	1.800	50	1928440000

BVL 7.62HP/./90SFI



Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1928500000
3	15.24	0.600	100	1928510000
4	22.86	0.900	100	1928520000
5	30.48	1.200	50	1928530000
6	38.10	1.500	50	1928540000
7	45.72	1.800	50	1928550000

Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

BVL 7.62HP/./180



Touch-safe female header in 180° outlet direction. Meets the requirements of IEC 61800-5-1 and allows UL approval in accordance with UL508 / UL840 for 600 V. An ideal touch-safe solution for power output and DC link applications. According to IEC 61800-5-1, the mating profile ensures more than 3 mm of touch safety.

Maximum operational reliability with a derating up to 125 °C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (FI) and screw flange (SFI).

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

For additional articles and information, refer to catalog.weidmueller.com

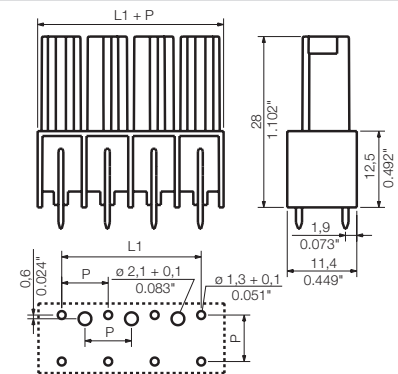
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- 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.

BVL 7.62HP/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	41	41	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG			
General data				
Type of insulation material		PA GF		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

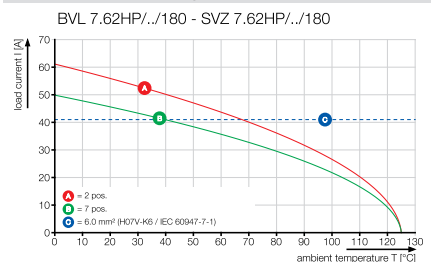
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Protection against twisting	
VDS180 SV7.62	1853940000

Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1928610000
3	15.24	0.600	100	1928620000
4	22.86	0.900	100	1928630000
5	30.48	1.200	50	1928650000
6	38.10	1.500	50	1928660000
7	45.72	1.800	50	1928670000

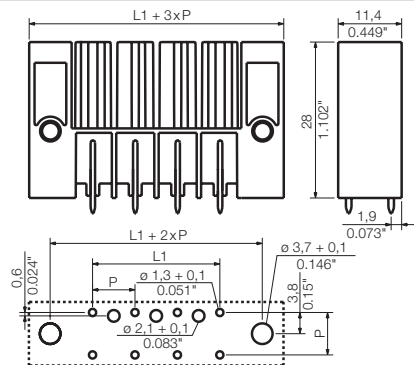
Representative derating curve



BVL 7.62HP/./180FI



Dimensioned drawing



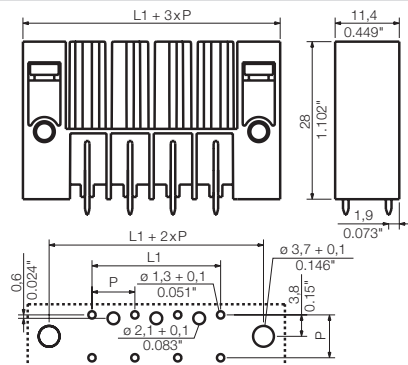
Ordering data

Solder pin length		3.5 mm			
Colour		black			
Pitch		7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	100	1928730000	
3	15.24	0.600	100	1928740000	
4	22.86	0.900	100	1928750000	
5	30.48	1.200	50	1928760000	
6	38.10	1.500	50	1928770000	
7	45.72	1.800	50	1928780000	

BVL 7.62HP/./180SFI



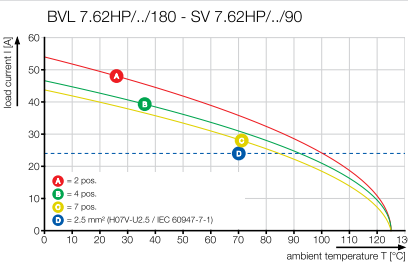
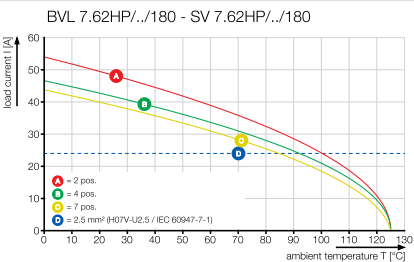
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm			
Colour		black			
Pitch		7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	7.62	0.300	100	1928840000	
3	15.24	0.600	100	1928850000	
4	22.86	0.900	100	1928860000	
5	30.48	1.200	50	1928870000	
6	38.10	1.500	50	1928900000	
7	45.72	1.800	50	1928910000	

Additional derating curves



Connectors in 7.62 mm pitch

Series BV/SV 7.62 – connects up to 6 mm²

BVL 7.62HP/./../270



Touch-safe female header in 270° outlet direction. Meets the requirements of IEC 61800-5-1 and allows UL approval in accordance with UL508 / UL840 for 600 V. An ideal touch-safe solution for power output and DC link applications. According to IEC 61800-5-1, the mating profile ensures more than 3 mm of touch safety.

Maximum operational reliability: with a derating up to 125 °C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (FI) and screw flange (SFI).

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

For additional articles and information, refer to catalog.weidmueller.com

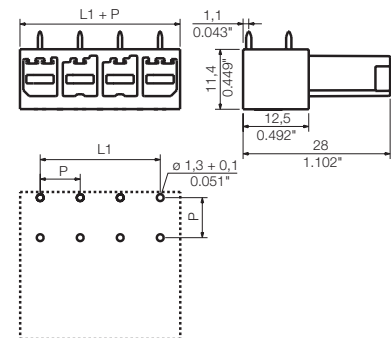
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- 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.

BVL 7.62HP/./../270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	41	41	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

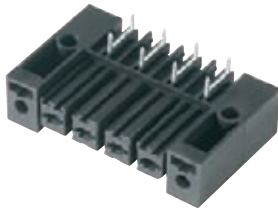
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000

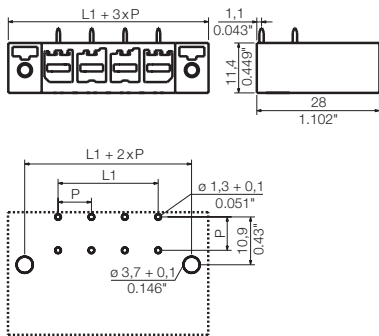
Ordering data

Solder pin length				3.5 mm
Colour			black	
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929300000
3	15.24	0.600	100	1929310000
4	22.86	0.900	100	1929320000
5	30.48	1.200	50	1929330000
6	38.10	1.500	50	1929340000
7	45.72	1.800	50	1929350000

BVL 7.62HP/..../270FI



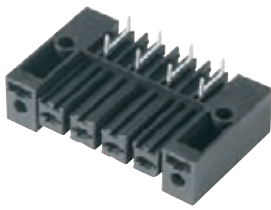
Dimensioned drawing



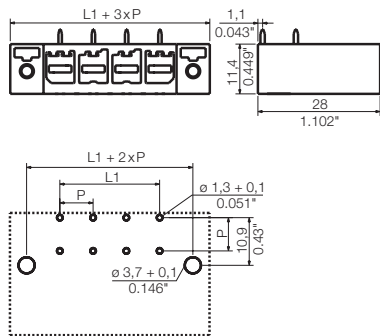
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929410000
3	15.24	0.600	100	1929420000
4	22.86	0.900	100	1929430000
5	30.48	1.200	50	1929440000
6	38.10	1.500	50	1929450000
7	45.72	1.800	50	1929460000

BVL 7.62HP/..../270SFI



Dimensioned drawing

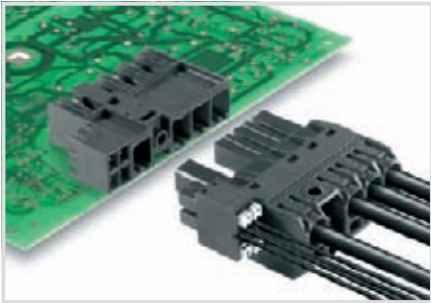


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch 7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929520000
3	15.24	0.600	100	1929530000
4	22.86	0.900	100	1929540000
5	30.48	1.200	50	1929550000
6	38.10	1.500	50	1929560000
7	45.72	1.800	50	1929570000

Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

SV 7.62HP/./90 & SC 3.81



Hybrid-header in 90° outlet direction with power and signal contacts. Meets the enhanced requirements of IEC 61800-5-1 for 3 mm touch safety in 400 V TNC (S) networks and enables UL approval for 600 V in accordance with UL508 / UL840. The middle flange interlocks automatically. It decreases the space required by one pole when compared to other solutions.

- Available with a middle flange (MF).

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

For additional articles and information, refer to catalog.weidmueller.com

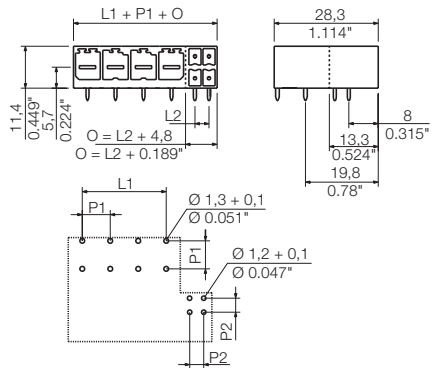
Note:

- Technical specifications refer to the power contacts
- Technical specifications of signal contacts: 50V / 5A
- Rated current related to rated cross-section and min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- 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.

SV 7.62HP/./90 SC/./R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	41	41	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG	-	-	-
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG	-	-	-
General data				
Type of insulation material		PA GF		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000

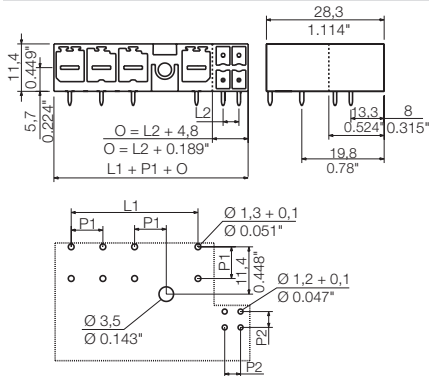
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch						7.62 mm
Pol.	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	78	1089840000
2 / 6	7.62	0.300	7.62	0.300	72	1089920000
2 / 8	7.62	0.300	11.43	0.450	60	1157040000
3 / 4	15.24	0.600	3.81	0.150	60	1090040000
3 / 6	15.24	0.600	7.62	0.300	54	1090120000
3 / 8	15.24	0.600	11.43	0.450	48	1157050000
4 / 4	22.86	0.900	3.81	0.150	48	1090280000
4 / 6	22.86	0.900	7.62	0.300	42	1090360000
4 / 8	22.86	0.900	11.43	0.450	42	1157380000
5 / 4	30.48	1.200	3.81	0.150	36	1090520000
5 / 6	30.48	1.200	7.62	0.300	36	1090590000
5 / 8	30.48	1.200	11.43	0.450	36	1157080000

SV 7.62HP/./90MF. SC/..R



Dimensioned drawing



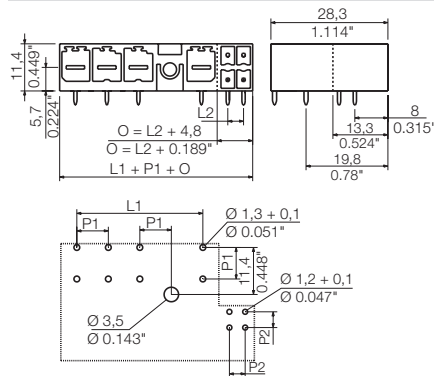
Ordering data

Solder pin length		3.5 mm	
Colour		black	
Pitch	7.62 mm		
Pol.	L1 (inch)	L2 (inch)	Order No.
2 / 4	7.62	0.300	1089370000
2 / 6	7.62	0.300	1089410000
2 / 8	7.62	0.300	1156820000
3 / 4	15.24	0.600	1156230000
3 / 4	15.24	0.600	1089660000
3 / 6	15.24	0.600	1156240000
3 / 6	15.24	0.600	1089730000
3 / 8	15.24	0.600	1156840000
3 / 8	15.24	0.600	1156850000
4 / 4	22.86	0.900	1090130000
4 / 6	22.86	0.900	1090210000
4 / 8	22.86	0.900	1156890000
5 / 4	30.48	1.200	1156910000
5 / 4	30.48	1.200	1090600000
5 / 6	30.48	1.200	1156930000
5 / 6	30.48	1.200	1090670000
5 / 8	30.48	1.200	1156950000
5 / 8	30.48	1.200	1156980000

SV 7.62HP/./90MSF. SC/..R



Dimensioned drawing

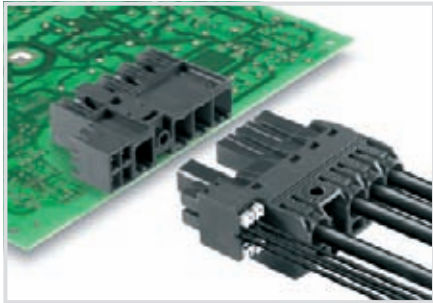


Ordering data

Solder pin length		3.5 mm	
Colour		black	
Pitch	7.62 mm		
Pol.	L1 (inch)	L2 (inch)	Order No.
2 / 4	7.62	0.300	1089510000
2 / 6	7.62	0.300	1089570000
2 / 8	7.62	0.300	1156830000
3 / 4	15.24	0.600	1156250000
3 / 4	15.24	0.600	1089890000
3 / 6	15.24	0.600	1156270000
3 / 6	15.24	0.600	1089970000
3 / 8	15.24	0.600	1156870000
3 / 8	15.24	0.600	1156880000
4 / 4	22.86	0.900	1090370000
4 / 6	22.86	0.900	1090450000
4 / 8	22.86	0.900	1156900000
5 / 4	30.48	1.200	1157000000
5 / 4	30.48	1.200	1090830000
5 / 6	30.48	1.200	1157010000
5 / 6	30.48	1.200	1090900000
5 / 8	30.48	1.200	1157020000
5 / 8	30.48	1.200	1157030000

Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

SV 7.62HP/./270 & SC 3.81



Hybrid male header in 270° outlet direction with power and signal contacts. Meets the enhanced requirements of IEC 61800-5-1 for 3 mm touch safety in 400 V TNC (S) networks and enables UL approval for 600 V in line with UL508 / UL840. The middle flange interlocks automatically. It decreases the space required by one pole when compared to other solutions.

- Available with a middle flange (MF).

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

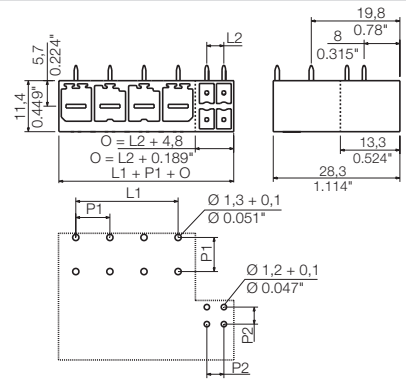
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Technical specifications refer to the power contacts
 - Technical specifications of signal contacts: 50V / 5A
 - Rated current related to rated cross-section and min. No. of poles.
 - Specifications of diagram: P1=7.62 mm; P2=3.81 mm
 - 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.

SV 7.62HP/./270 SC/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	41	41	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG	-	-	-
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG	-	-	-
General data				
Type of insulation material		PA GF		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BV/SV 7.62HP KO	1937590000

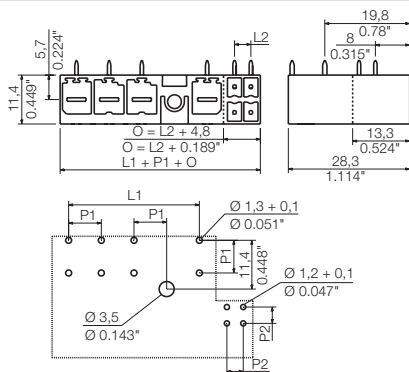
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch 7.62 mm						
Pol.	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	78	1090770000
2 / 6	7.62	0.300	7.62	0.300	72	1090850000
2 / 8	7.62	0.300	11.43	0.450	60	1156920000
3 / 4	15.24	0.600	3.81	0.150	60	1090950000
3 / 6	15.24	0.600	7.62	0.300	54	1091010000
3 / 8	15.24	0.600	11.43	0.450	48	1156940000
4 / 4	22.86	0.900	3.81	0.150	48	1091120000
4 / 6	22.86	0.900	7.62	0.300	42	1091160000
4 / 8	22.86	0.900	11.43	0.450	42	1156970000
5 / 4	30.48	1.200	3.81	0.150	36	1091240000
5 / 6	30.48	1.200	7.62	0.300	36	1091260000
5 / 8	30.48	1.200	11.43	0.450	36	1156990000

SV 7.62HP/./270MF. SC/..R



Dimensioned drawing



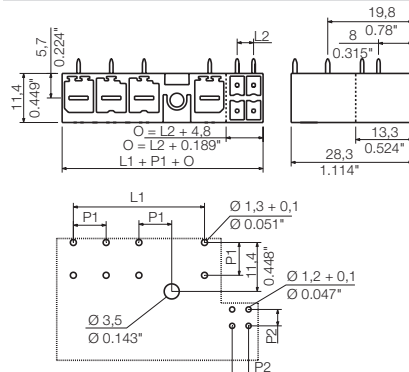
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch		7.62 mm				
Pol.	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	60	1089260000
2 / 6	7.62	0.300	7.62	0.300	54	1089280000
2 / 8	7.62	0.300	11.43	0.450	48	1156120000
3 / 4	15.24	0.600	3.81	0.150	48	1156140000
3 / 4	15.24	0.600	3.81	0.150	48	1089440000
3 / 6	15.24	0.600	7.62	0.300	42	1156150000
3 / 6	15.24	0.600	7.62	0.300	42	1089490000
3 / 8	15.24	0.600	11.43	0.450	42	1156170000
3 / 8	15.24	0.600	11.43	0.450	42	1156180000
4 / 4	22.86	0.900	3.81	0.150	36	1089820000
4 / 6	22.86	0.900	7.62	0.300	36	1089910000
4 / 8	22.86	0.900	11.43	0.450	36	1156280000
5 / 4	30.48	1.200	3.81	0.150	30	1156300000
5 / 4	30.48	1.200	3.81	0.150	30	1090300000
5 / 6	30.48	1.200	7.62	0.300	30	1156310000
5 / 6	30.48	1.200	7.62	0.300	30	1090380000
5 / 8	30.48	1.200	11.43	0.450	30	1156320000
5 / 8	30.48	1.200	11.43	0.450	30	1156340000

SV 7.62HP/./270MSF. SC/..R



Dimensioned drawing

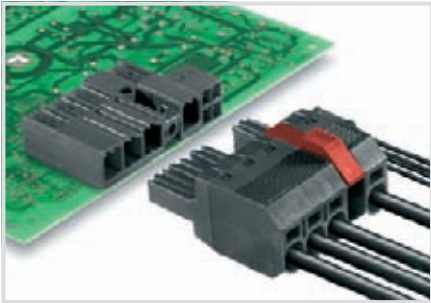


Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch 7.62 mm						
Pol.	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	60	1089340000
2 / 6	7.62	0.300	7.62	0.300	54	1089380000
2 / 8	7.62	0.300	11.43	0.450	48	1156130000
3 / 4	15.24	0.600	3.81	0.150	48	1156190000
3 / 4	15.24	0.600	3.81	0.150	48	1089610000
3 / 6	15.24	0.600	7.62	0.300	42	1156200000
3 / 6	15.24	0.600	7.62	0.300	42	1089670000
3 / 8	15.24	0.600	11.43	0.450	42	1156210000
3 / 8	15.24	0.600	11.43	0.450	42	1156220000
4 / 4	22.86	0.900	3.81	0.150	36	1090060000
4 / 6	22.86	0.900	7.62	0.300	36	1090140000
4 / 8	22.86	0.900	11.43	0.450	36	1156290000
5 / 4	30.48	1.200	3.81	0.150	30	1156370000
5 / 4	30.48	1.200	3.81	0.150	30	1090540000
5 / 6	30.48	1.200	7.62	0.300	30	1156390000
5 / 6	30.48	1.200	7.62	0.300	30	1090610000
5 / 8	30.48	1.200	11.43	0.450	30	1156410000
5 / 8	30.48	1.200	11.43	0.450	30	1156430000

Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

BVF 7.62HP../180 & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1. The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

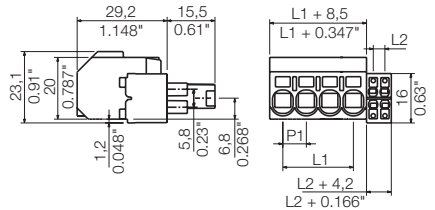
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Technical specifications refer to the power contacts
 - Technical specifications of signal contacts: 50V / 5A
 - Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Wire end ferrule without plastic collar to DIN 46228/1
 - Wire end ferrule with plastic collar to DIN 46228/4
 - 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.

BVF 7.62HP../180 BCF../R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...10	
Solid core H05(07) V-U	mm²	0.5...10	
Stranded H07 V-R		...10	
Flexible H05(07) V-K	mm ²	0.5...	
Flexible with ferrule	mm ²	1.5...4	
Ferrule with plastic collar	mm ²	1.5...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	38	34
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	6	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	800	1000 1000
Rated impulse voltage	kV	8	8 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

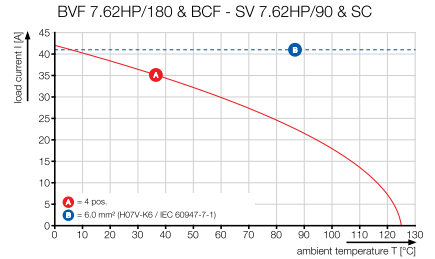
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Shielding		
	BVF 7.62HP SH150 4-6 KIT	1118480000
	BVF 7.62HP SH180 4-6 KIT	1118470000
	BVF 7.62HP SH210 4-6 KIT	1118490000
Screwdriver		
	SD 0,8x4,5x125	9009020000
Crimping tool		
	PZ 6/5	9011460000

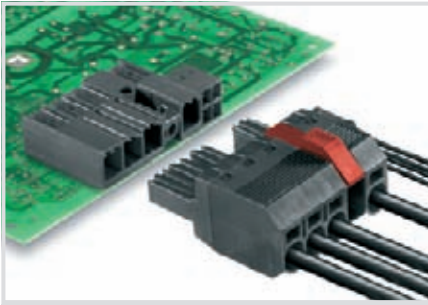
Ordering data

Solder pin length						
Colour					black	
Pitch 7.62 mm						
Pol.	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	65	1080550000
2 / 6	7.62	0.300	7.62	0.300	55	1080320000
2 / 8	7.62	0.300	11.43	0.450	50	1156440000
3 / 4	15.24	0.600	3.81	0.150	50	1080490000
3 / 6	15.24	0.600	7.62	0.300	45	1080570000
3 / 8	15.24	0.600	11.43	0.450	40	1156450000
4 / 4	22.86	0.900	3.81	0.150	40	1080510000
4 / 6	22.86	0.900	7.62	0.300	35	1080440000
4 / 8	22.86	0.900	11.43	0.450	30	1156470000
5 / 8	30.48	1.200	11.43	0.450	25	1156480000

Representative derating curve



BVF 7.62HP../180MF & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1. The self-fastening middle flange reduces the space requirements by one pole.

The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

For additional articles and information, refer to catalog.weidmueller.com

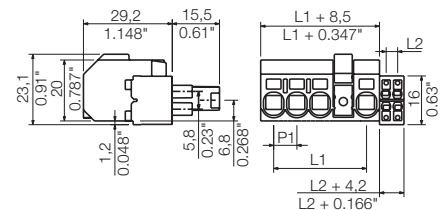
Note:

- Technical specifications refer to the power contacts
- Technical specifications of signal contacts: 50V / 5A
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

BVF 7.62HP../180MF. BCF../R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.5...10
Solid core H05(07) V-U	mm²	0.5...10
Stranded H07 V-R		...10
Flexible H05(07) V-K	mm ²	0.5...
Flexible with ferrule	mm ²	1.5...4
Ferrule with plastic collar	mm ²	1.5...6
Stripping length	mm	12
Screwdriver blade	mm	0.8 x 4.5
According to norm		DIN 5264-A

Tightening torque range Nm

Rated current, max. A 38 34

At ambient temperature 20°C 40°C

For conductor cross-section mm² 6

Overvoltage category III III II

Pollution severity 3 2 2

Rated voltage V 800 1000 1000

Rated impulse voltage kV 8 8 6

UL / CUL (Use Group) B C D

Rated voltage V 600 600 600

Rated current A 35 35 5

CSA (Use Group) B C D

Rated voltage V 600 600 600

Rated current A 35 35 5

AWG conductor AWG 24-10

General data

Type of insulation material PA GF

Flammability class UL 94 V-0

Contact base material Copper alloy

Material of contact surface tinned

Pin dimensions = d mm

Solder eyelet Ø = D mm

Solder eyelet Ø tolerance mm

Accessories

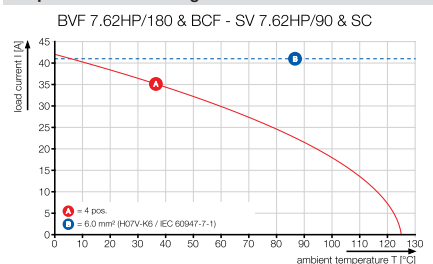
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BV/SV 7.62HP KO	1937590000
Shielding	
BVF 7.62HP SH150 4-6 KIT	1118480000
BVF 7.62HP SH180 4-6 KIT	1118470000
BVF 7.62HP SH210 4-6 KIT	1118490000
Screwdriver	
SD 0,8x4,5x125	9009020000
Crimping tool	
PZ 6/5	9011460000

Ordering data

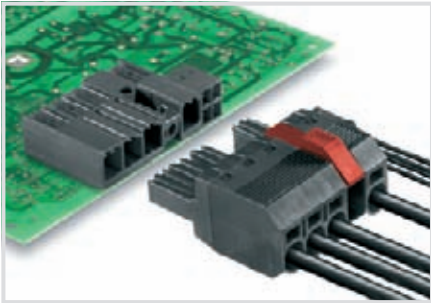
Solder pin length						
Colour						black
Pitch 7.62 mm						
Pol.	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	50	1081610000
2 / 6	7.62	0.300	7.62	0.300	45	1081030000
2 / 8	7.62	0.300	11.43	0.450	40	1157090000
3 / 4	15.24	0.600	3.81	0.150	40	1157110000
3 / 4	15.24	0.600	3.81	0.150	40	1081630000
3 / 6	15.24	0.600	7.62	0.300	35	1157120000
3 / 6	15.24	0.600	7.62	0.300	35	1081720000
3 / 8	15.24	0.600	11.43	0.450	30	1157130000
3 / 8	15.24	0.600	11.43	0.450	30	1157170000
4 / 4	22.86	0.900	3.81	0.150	30	1081150000
4 / 6	22.86	0.900	7.62	0.300	30	1082020000
4 / 8	22.86	0.900	11.43	0.450	25	1157200000
5 / 4	30.48	1.200	3.81	0.150	25	1157220000
5 / 4	30.48	1.200	3.81	0.150	25	1082140000
5 / 6	30.48	1.200	7.62	0.300	25	1157230000
5 / 6	30.48	1.200	7.62	0.300	25	1081760000
5 / 8	30.48	1.200	11.43	0.450	25	1157240000
5 / 8	30.48	1.200	11.43	0.450	25	1157250000

Representative derating curve



Connectors in 7.62 mm pitch
Series BV/SV 7.62 – connects up to 6 mm²

BVF 7.62HP/./180MSF & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1. The self-fastening middle flange reduces the space requirements by one pole.

The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 10

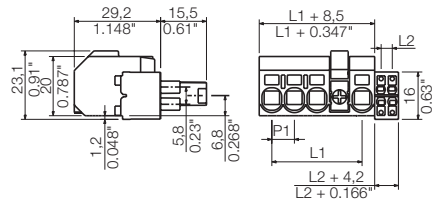
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Technical specifications refer to the power contacts
 - Technical specifications of signal contacts: 50V / 5A
 - Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Wire end ferrule without plastic collar to DIN 46228/1
 - Wire end ferrule with plastic collar to DIN 46228/4
 - 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.

BVF 7.62HP/./180MSF. BCF/./R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.5...10	
Solid core H05(07) V-U	mm²	0.5...10	
Stranded H07 V-R		...10	
Flexible H05(07) V-K	mm²	0.5...	
Flexible with ferrule	mm²	1.5...4	
Ferrule with plastic collar	mm²	1.5...6	
Stripping length	mm	12	
Screwdriver blade	mm	0.8 x 4.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	38	34
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	6	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	800	1000 1000
Rated impulse voltage	kV	8	8 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
CSA (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	35	35 5
AWG conductor	AWG	24-10	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

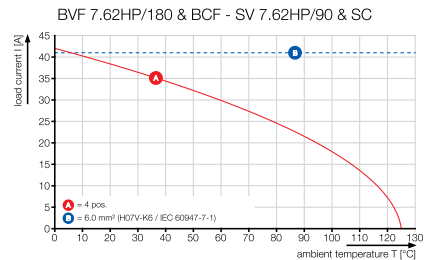
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Shielding		
	BVF 7.62HP SH150 4-6 KIT	1118480000
	BVF 7.62HP SH180 4-6 KIT	1118470000
	BVF 7.62HP SH210 4-6 KIT	1118490000
Screwdriver		
	SD 0,8x4,5x125	9009020000
Crimping tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length						
Colour						black
Pitch 7.62 mm						
Pol.	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	50	1081930000
2 / 6	7.62	0.300	7.62	0.300	45	1082080000
2 / 8	7.62	0.300	11.43	0.450	40	1157100000
3 / 4	15.24	0.600	3.81	0.150	40	1157440000
3 / 4	15.24	0.600	3.81	0.150	40	1082110000
3 / 6	15.24	0.600	7.62	0.300	35	1157450000
3 / 6	15.24	0.600	7.62	0.300	35	1081730000
3 / 8	15.24	0.600	11.43	0.450	30	1157470000
3 / 8	15.24	0.600	11.43	0.450	30	1157190000
4 / 4	22.86	0.900	3.81	0.150	30	1081660000
4 / 6	22.86	0.900	7.62	0.300	30	1081750000
4 / 8	22.86	0.900	11.43	0.450	25	1157210000
5 / 4	30.48	1.200	3.81	0.150	25	1157270000
5 / 6	30.48	1.200	7.62	0.300	25	1157280000
5 / 8	30.48	1.200	11.43	0.450	25	1157300000
5 / 8	30.48	1.200	11.43	0.450	25	1157290000

Representative derating curve



Connectors in 10.16 mm pitch - Series BU/SU 10.16 - connects up to 16 mm²
Explanation

Increased current for better performance

The top class in the OMNIMATE Power SU / BUZ 10.16HP connector system features a very durable contact system which makes it a pluggable power transmission solution with maximum load reserves.

HP stands for High Performance – performance exemplified by a long-term usage temperature of 120 °C. This custom, pluggable solution is suitable for all applications that must meet 600 V UL or 1,000 V (IEC) with up to 76 A (IEC) and 54 A (UL).

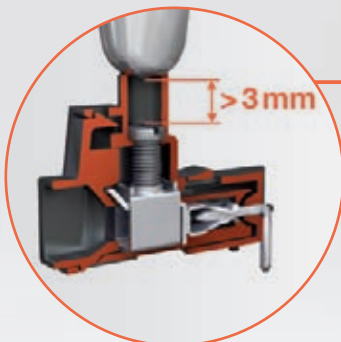
F



Compact reliability

Silver-plated contacts with stainless-steel top springs can tolerate short-circuit currents of 1,000 A for one second. Weidmüller's classic clamping yoke features a plus-minus screw and is protected against under insertion. It ensures a long-term, reliable connection.

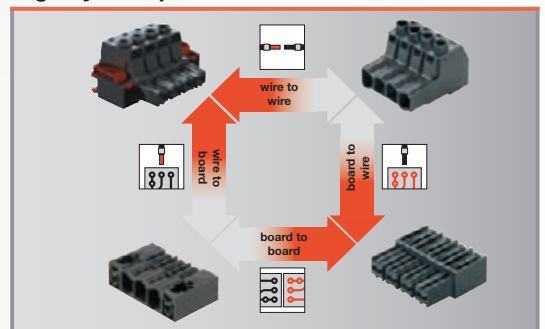




Compact integration

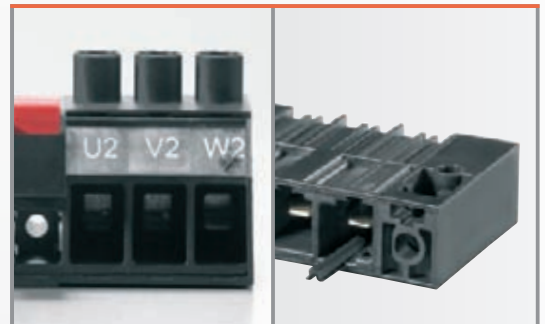
No compromises during design and approval: compact and standard-compliant with additional + 3.0 mm finger safety, according to IEC 61800-5-1, and increased creepage and clearance distances according to UL.

High system performance



The OMNIMATE Power System up to 16 mm² can be individually combined with plugging mates that have an interlocking flange. It is also possible for the plugging mate to be screwed on.

Individualised configuration



Clear printed labelling and customised coding are used to prevent damage that could be caused by installation mistakes.





Connectors in 10.16 mm pitch - Series BU/SU 10.16 - connects up to 16 mm²
Quick selection

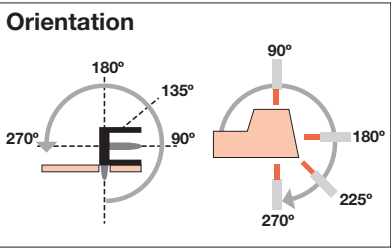
= Wire to board

= Board to board


= Wire to wire

= Board to wire


















Male header



Solder connection



				Type				SU		SU	
						Orientation		90°		180°	
						Flange options		G/F		G/F/SF	
						Page		F.110		F.112	
Female plug		Screw Clamping yoke	16 mm² / AWG 6		BUZ	180°	(G)/F/SF	F.118			
Female header		Solder connection			BUL	90°	on request				
					BUL	180°	on request				

Female:

(G) = without flange

F = Interlock flange



SF = Interlock flange with screw

Pin:







G = Closed (without flange)

F = Interlock flange

SF = Interlock flange with nut

Male header	Male plug
 Solder connection	 Spring PUSH IN



	SU	SUZ
	270°	180°
	G/F/SF	G
	F.114	F.116
		
		
		

Connectors in 10.16 mm pitch

Series BU/SU 10.16 – connects up to 16 mm²

SU 10.16HP/./90



Male header in 90° outlet direction for TNC (S) systems. UL approved for 600 V in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 76
UL: 300 V / 54 A

For additional articles and information, refer to catalog.weidmueller.com

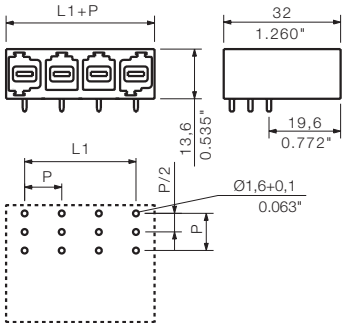
- Note:**
- Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - The data given under CSA relates to a cUL approval - E60693
 - P on drg. = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SU 10.16HP/./90G

without flanges



Dimensioned drawing




Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	76	72	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	690	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	54	54	5
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	54	54	5
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm	1.2 x 1.1		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 KO BV/SV7.62	1824410000

Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1813330000
3	20.32	0.800	50	1813340000
4	30.48	1.200	50	1813350000
5	40.64	1.600	20	1813360000
6	50.80	2.000	20	1813370000
7	60.96	2.400	20	1813380000
8	71.12	2.800	20	1813390000
9	81.28	3.200	20	1813400000

SU 10.16HP/./90F

Interlock flanges

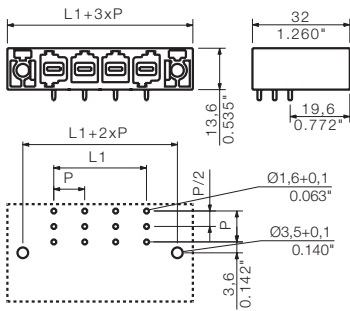


SU 10.16HP/./90SF

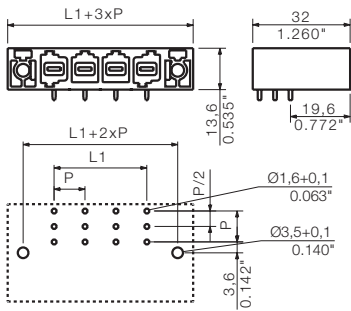
Interlock flanges with nuts



Dimensioned drawing



Dimensioned drawing



Ordering data

Solder pin length		3.5 mm	
Colour		black	
Pitch		10.16 mm	
Pol.	L1	(inch)	Order No.
2	10.16	0.400	1813570000
3	20.32	0.800	1813580000
4	30.48	1.200	1813590000
5	40.64	1.600	1813600000
6	50.80	2.000	1813610000
7	60.96	2.400	1813620000
8	71.12	2.800	1813630000
9	81.28	3.200	1813640000

Ordering data

Solder pin length		3.5 mm	
Colour		black	
Pitch		10.16 mm	
Pol.	L1	(inch)	Order No.
2	10.16	0.400	1851040000
3	20.32	0.800	1851050000
4	30.48	1.200	1851060000
5	40.64	1.600	1851070000
6	50.80	2.000	1851080000
7	60.96	2.400	1851090000
8	71.12	2.800	1851100000
9	81.28	3.200	1851110000

Connectors in 10.16 mm pitch
Series BU/SU 10.16 – connects up to 16 mm²

SU 10.16HP/./180



Male header in 180° outlet direction for TNC (S) systems. UL approved for 600 V in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.
Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 74
UL: 300 V / 54 A

For additional articles and information, refer to catalog.weidmueller.com

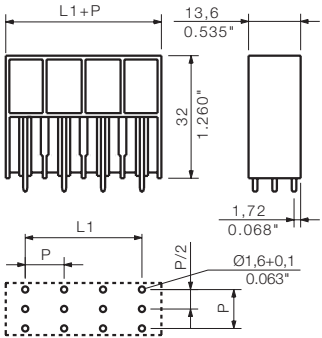
- Note:**
- Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - The data given under CSA relates to a cUL approval - E60693
 - P on drg. = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SU 10.16HP/./180G

without flanges





Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	74	68	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	690	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	54	54	5
AWG conductor	AWG	-		
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	600
Rated current	A	54	54	5
AWG conductor	AWG	-		
General data				
Type of insulation material		PBT GF		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm	1.2 x 1.1		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Protection against twisting		Order No.
	VDS180 SV7.62	1853940000
Coding		
	KO BV/SV7.62	1824410000

Ordering data

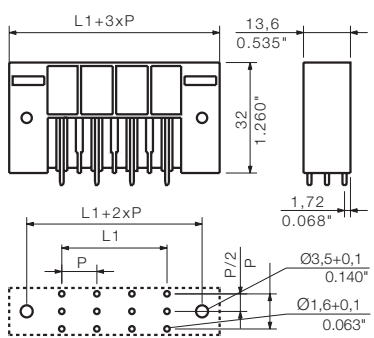
Solder pin length			3.5 mm	
Colour			black	
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1813410000
3	20.32	0.800	50	1813420000
4	30.48	1.200	50	1813430000
5	40.64	1.600	20	1813440000
6	50.80	2.000	20	1813450000
7	60.96	2.400	20	1813460000
8	71.12	2.800	20	1813470000
9	81.28	3.200	20	1813480000

SU 10.16HP/./180F

Interlock flanges



Dimensioned drawing



Ordering data

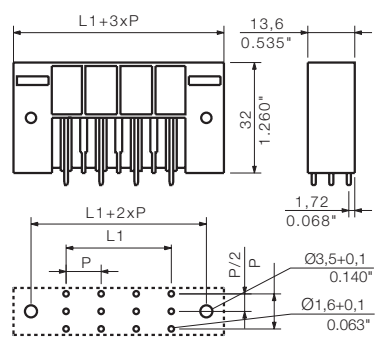
Solder pin length				3.5 mm
Colour				black
Pitch		10.16 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1813650000
3	20.32	0.800	50	1813660000
4	30.48	1.200	50	1813670000
5	40.64	1.600	20	1813680000
6	50.80	2.000	20	1813690000
7	60.96	2.400	20	1813700000
8	71.12	2.800	20	1813710000
9	81.28	3.200	20	1813720000

SU 10.16HP/./180SF

Interlock flanges with nuts



Dimensioned drawing



Ordering data

Solder pin length				3.5 mm	
Colour				black	
Pitch		10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	10.16	0.400	50	1850880000	
3	20.32	0.800	50	1850890000	
4	30.48	1.200	50	1850900000	
5	40.64	1.600	20	1850910000	
6	50.80	2.000	20	1850920000	
7	60.96	2.400	20	1850930000	
8	71.12	2.800	20	1850940000	
9	81.28	3.200	20	1850950000	

Connectors in 10.16 mm pitch

Series BU/SU 10.16 – connects up to 16 mm²

SU 10.16HP/./270



Male header in 270° outlet direction for TNC (S) systems. UL approved for 600 V in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 76
UL: 300 V / 54 A

For additional articles and information, refer to catalog.weidmueller.com

Note:

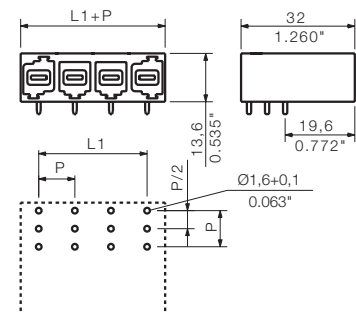
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SU 10.16HP/./270G

without flanges



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	76	72
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	690	1000
Rated impulse voltage	kV	8	8
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	54	54
AWG conductor	AWG	-	5
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	54	54
AWG conductor	AWG	-	-
General data			
Type of insulation material		PBT GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		silver-plated	
Pin dimensions = d	mm	1.2 x 1.1	
Solder eyelet Ø = D	mm	1.6	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

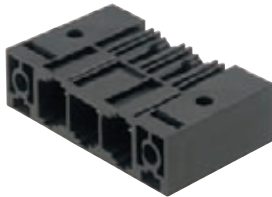
Coding	Order No.
KO BV/SV7.62	1824410000

Ordering data

Solder pin length		3.5 mm
Colour		black
Pitch	10.16 mm	
Pol.	L1	(inch)
2	10.16	0.400
3	20.32	0.800
4	30.48	1.200
5	40.64	1.600
6	50.80	2.000
7	60.96	2.400
8	71.12	2.800
9	81.28	3.200

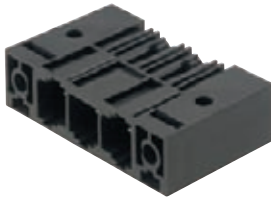
SU 10.16HP/..../270F

Interlock flanges

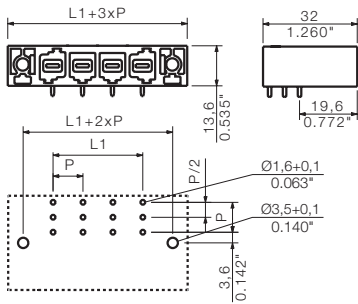


SU 10.16HP/..../270SF

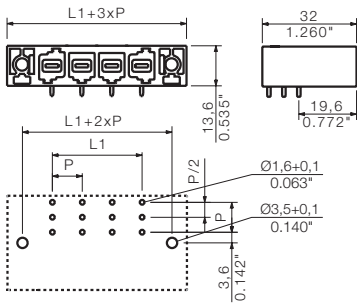
Interlock flanges with nuts



Dimensioned drawing



Dimensioned drawing



Ordering data

Solder pin length			3.5 mm	
Colour			black	
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1813730000
3	20.32	0.800	50	1813740000
4	30.48	1.200	50	1813750000
5	40.64	1.600	20	1813760000
6	50.80	2.000	20	1813770000
7	60.96	2.400	20	1813780000
8	71.12	2.800	20	1813790000
9	81.28	3.200	20	1813800000

Ordering data

Solder pin length			3.5 mm	
Colour			black	
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1851120000
3	20.32	0.800	50	1851130000
4	30.48	1.200	50	1851140000
5	40.64	1.600	20	1851150000
6	50.80	2.000	20	1851160000
7	60.96	2.400	20	1851170000
8	71.12	2.800	20	1851180000
9	81.28	3.200	20	1851190000

Connectors in 10.16 mm pitch

Series BU/SU 10.16 – connects up to 16 mm²

SUZ 10.16HP/./180



Male plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch safety of more than 3 mm according to IEC 61800-5-1 when connected.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

- Available with a flange (F) and screw flange on request.

Product data

IEC: 1000 V / 78 A / 0.2 - 16 mm²
UL: 600 V / 54 A / AWG 24 - 6

For additional articles and information, refer to catalog.weidmueller.com

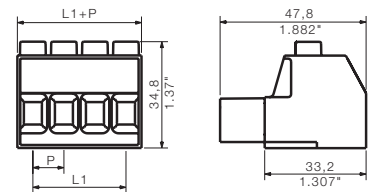
Note:

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- 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.

SUZ 10.16HP/./180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm²	0.2...16
Solid core H05(07) V-U	mm²	0.2...16
Stranded H07 V-R		6...16
Flexible H05(07) V-K	mm²	0.5...16
Flexible with ferrule	mm²	0.25...16
Ferrule with plastic collar	mm²	0.25...10
Stripping length	mm	12
Screwdriver blade	mm	1.0 x 5.5
According to norm		DIN 5264
Tightening torque range	Nm	1.2...1.5
Rated current, max.	A	78 72
At ambient temperature	20°C	40°C
For conductor cross-section	mm²	16
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	1000 1000 1000
Rated impulse voltage	kV	8 8 6

UL / CUL (Use Group)

Rated voltage	V	600 600 600
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Rated current	A	54 54 5
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AWG conductor	AWG	24-6
----------------------	------------	-------------

CSA (Use Group)

Rated voltage	V	600 600 600
----------------------	----------	--------------------

Rated current	A	54 54 5
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AWG conductor	AWG	24-6
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General data

Type of insulation material		PA GF
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		silver-plated
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

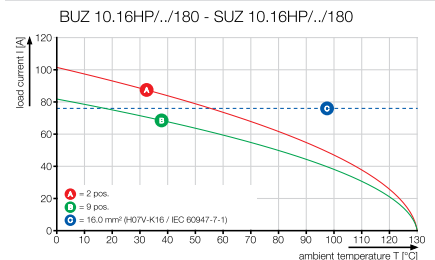
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 KO BV/SV7.62	1824410000
Screwdriver	
 SDI 1,0x5,5x125	9008410000
Crosshead screwdriver	
 SDIK PZ2	9008890000
 SDK PZ2	9008540000

Ordering data

Solder pin length				
Colour	black			
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1947480000
3	20.32	0.800	50	1947490000
4	30.48	1.200	50	1947500000
5	40.64	1.600	20	1947510000
6	50.80	2.000	20	1966920000
7	60.96	2.400	20	1966930000
8	71.12	2.800	20	1962400000
9	81.28	3.200	20	1966910000

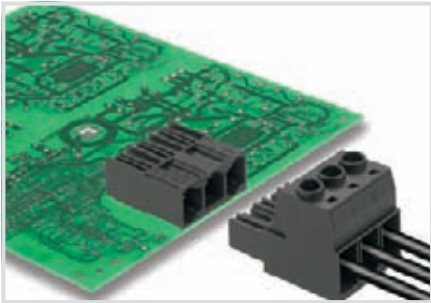
Representative derating curve



Connectors in 10.16 mm pitch

Series BU/SU 10.16 – connects up to 16 mm²

BUZ 10.16HP/./180



Female plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. Ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1. Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 78 A / 0.2 - 16 mm²
UL: 600 V / 54 A / AWG 22 - 6

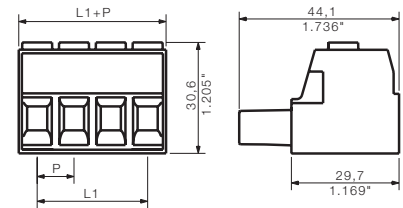
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Wire end ferrule without plastic collar to DIN 46228/1
 - Wire end ferrule with plastic collar to DIN 46228/4
 - 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.

BUZ 10.16HP/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.2...16	
Solid core H05(07) V-U	mm²	0.2...16	
Stranded H07 V-R	mm²	6...16	
Flexible H05(07) V-K	mm²	0.5...16	
Flexible with ferrule	mm²	0.25...16	
Ferrule with plastic collar	mm²	0.25...10	
Stripping length	mm	12	
Screwdriver blade	mm	1.0 x 5.5	
According to norm		DIN 5264	
Tightening torque range	Nm	1.2...1.5	
Rated current, max.	A	78	72
At ambient temperature	20°C	40°C	
For conductor cross-section	mm²	16	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	1000	1000
Rated impulse voltage	kV	8	6
UL / CUL (Use Group)	B C D		
Rated voltage	V	600	600
Rated current	A	54	5
AWG conductor	AWG	22-6	
CSA (Use Group)	B C D		
Rated voltage	V	600	600
Rated current	A	54	5
AWG conductor	AWG	22-6	
General data			
Type of insulation material		PA GF	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		silver-plated	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

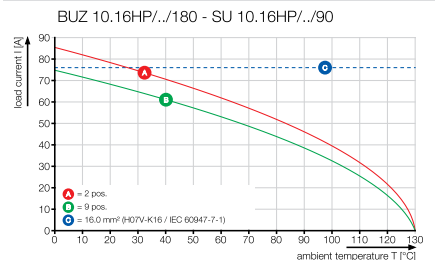
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	KO BV/SV7.62	1824410000
Screwdriver		
	SDI 1,0x5,5x125	9008410000
Crosshead screwdriver		
	SDIK PZ2	9008890000
	SDK PZ2	9008540000

Ordering data

Solder pin length				
Colour	black			
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1924540000
3	20.32	0.800	50	1924550000
4	30.48	1.200	50	1924560000
5	40.64	1.600	20	1924570000
6	50.80	2.000	20	1924580000
7	60.96	2.400	20	1924590000
8	71.12	2.800	20	1924600000
9	81.28	3.200	20	1924610000

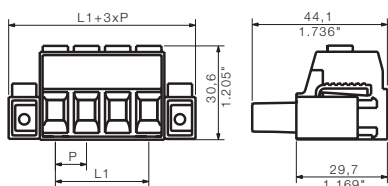
Representative derating curve



BUZ 10.16HP/./180F



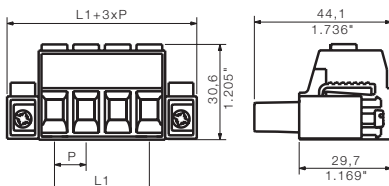
Dimensioned drawing



BUZ 10.16HP/./180SF



Dimensioned drawing



Ordering data

Solder pin length					
Colour					black
Pitch	10.16 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	10.16	0.400	50	1924620000	
3	20.32	0.800	50	1924630000	
4	30.48	1.200	20	1924640000	
5	40.64	1.600	20	1924650000	
6	50.80	2.000	20	1924660000	
7	60.96	2.400	20	1924670000	
8	71.12	2.800	20	1924680000	
9	81.28	3.200	20	1924690000	

Ordering data

Solder pin length					
Colour					black
Pitch	10.16 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	10.16	0.400	50	1924700000	
3	20.32	0.800	50	1924710000	
4	30.48	1.200	20	1924720000	
5	40.64	1.600	20	1924740000	
6	50.80	2.000	20	1924750000	
7	60.96	2.400	20	1924760000	
8	71.12	2.800	20	1924770000	
9	81.28	3.200	20	1924780000	

Additional derating curves

