PCB plug-in connectors

Energy
7.62 mm pitch

Male connectors with solder connection	J.2
Male connectors with clamping yoke connection	J.14
Socket connectors with clamping yoke connection	J.26
Socket connectors with tension clamp connection	J.36
Socket connectors with solder connection	J.38

Male connectors with solder connection

SV 7.62/90

Single level high-current male connector, for side-by-side mounting without losing any poles or with patented flange for fast fixing without tools. Maximum connecting and operating reliability thanks to coding pin arrangement that prevents mismating. Additional fixing in flange and 3.5 mm pin length for optimised for lead-free wave soldering which plug-in direction 90° to solder pins, complete the range.

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

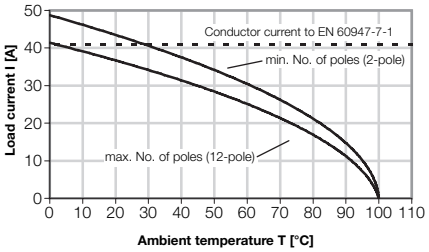
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		38
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor				
Material data				
Type of insulating material		PBT GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		
Information				

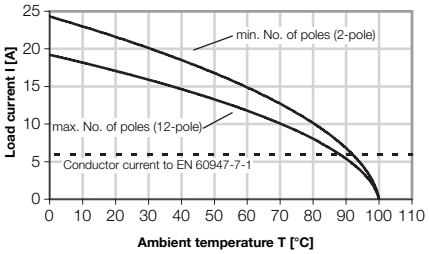
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

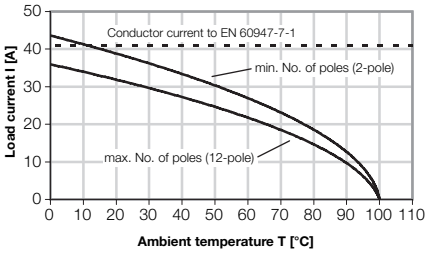
SV7.62/90 / BVZ / H07V-K6.0



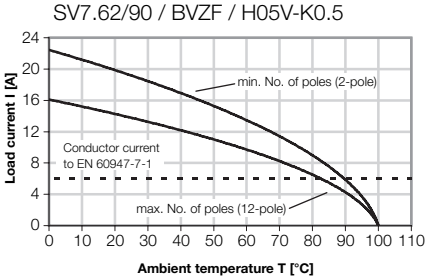
SV7.62/90 / BVZ / H05V-K0.5



SV7.62/90 / BVZF / H07V-K6.0

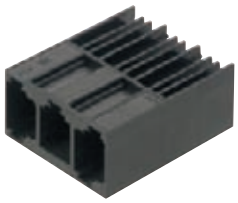


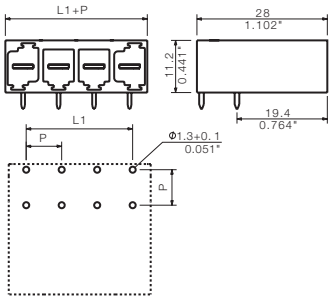
SV7.62/90 / BVZF / H05V-K0.5



SV 7.62/90G

without flanges





Ordering data

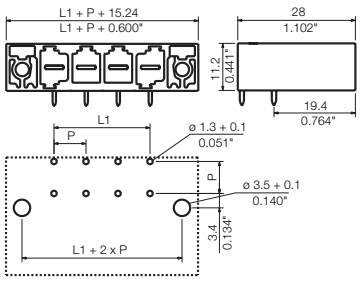
Solder pin length	3.5 mm
Colour of plastic	black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1822280000
3	15.24	(0.600)	100		1822290000
4	22.86	(0.900)	100		1822300000
5	30.48	(1.200)	50		1822310000
6	38.10	(1.500)	50		1822320000
7	45.72	(1.800)	50		1822330000
8	53.34	(2.100)	50		1822340000
9	60.96	(2.400)	50		1822350000
10	68.58	(2.700)	50		1822360000
11	76.20	(3.000)	50		1822370000
12	83.82	(3.300)	50		1822380000

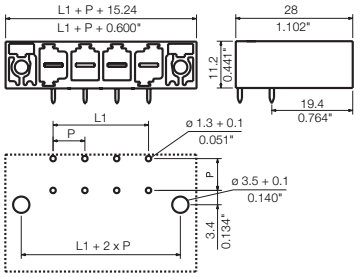
SV 7.62/90F

Interlock flanges



SV 7.62/90SF

Interlock flanges with nuts



Accessories

Coding

See chapter accessories
Order No. 1824410000

Ordering data

Solder pin length						3.5 mm
Colour of plastic						black
Pitch 7.62 mm						
Poles	L1 mm	(inch)	Qty.	Order No.		Order No.
2	7.62	(0.300)	100			**1822390000**
3	15.24	(0.600)	100			**1822400000**
4	22.86	(0.900)	100			**1822410000**
5	30.48	(1.200)	50			**1822420000**
6	38.10	(1.500)	50			**1822430000**
7	45.72	(1.800)	50			**1822440000**
8	53.34	(2.100)	50			**1822450000**
9	60.96	(2.400)	50			**1822460000**
10	68.58	(2.700)	50			**1822470000**
11	76.20	(3.000)	50			**1822480000**
12	83.82	(3.300)	50			**1822490000**

Ordering data

Solder pin length						3.5 mm
Colour of plastic						black
Pitch 7.62 mm						
Poles	L1 mm	(inch)	Qty.	Order No.		Order No.
2	7.62	(0.300)	100			**1852610000**
3	15.24	(0.600)	100			**1852620000**
4	22.86	(0.900)	100			**1852630000**
5	30.48	(1.200)	50			**1852640000**
6	38.10	(1.500)	50			**1852650000**
7	45.72	(1.800)	50			**1852660000**
8	53.34	(2.100)	50			**1852670000**
9	60.96	(2.400)	50			**1852680000**
10	68.58	(2.700)	50			**1852690000**
11	76.20	(3.000)	50			**1852700000**
12	83.82	(3.300)	50			**1852710000**

Male connectors with solder connection

SV 7.62/180

Single row high-current male connector, for side-by-side mounting without losing any poles or with patented flange for fast fixing without tools. Maximum connecting and operating reliability thanks to coding pin arrangement that prevents mismating. Additional fixing and integral positioning aid with 3.5 mm pin length for optimised for lead-free wave soldering, plug-in direction 180° to solder pins, completes the range.

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

Technical data

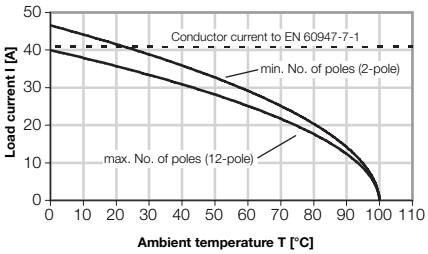
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		38
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor				
Material data				
Type of insulating material		PBT GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

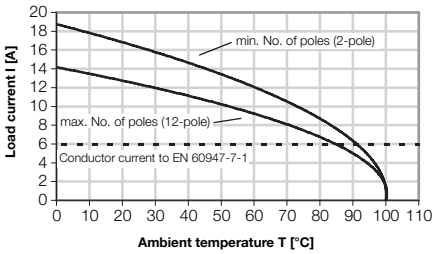
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

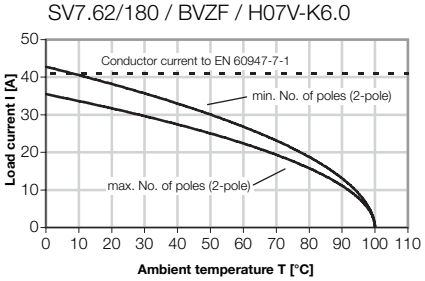
SV7.62/180 / BVZ / H07V-K6.0



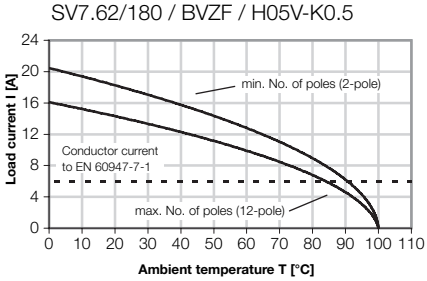
SV7.62/180 / BVZ / H05V-K0.5



SV7.62/180 / BVZF / H07V-K6.0

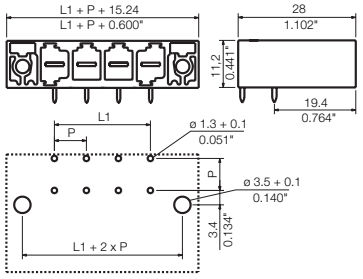


SV7.62/180 / BVZF / H05V-K0.5



SV 7.62/180G

without flanges

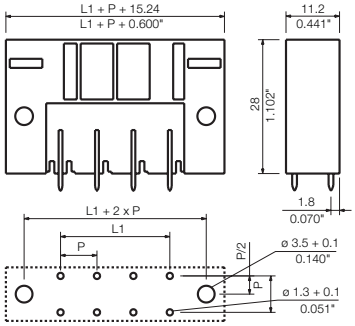


Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	**Order No.**	**Order No.**
2	7.62	(0.300)	100		**1822530000**
3	15.24	(0.600)	100		**1822540000**
4	22.86	(0.900)	100		**1822550000**
5	30.48	(1.200)	50		**1822560000**
6	38.10	(1.500)	50		**1822570000**
7	45.72	(1.800)	50		**1822580000**
8	53.34	(2.100)	50		**1822590000**
9	60.96	(2.400)	50		**1822600000**
10	68.58	(2.700)	50		**1822610000**
11	76.20	(3.000)	50		**1822620000**
12	83.82	(3.300)	50		**1822630000**

SV 7.62/180F

Interlock flanges

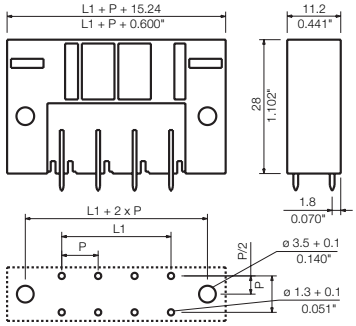


Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1822640000**
3	15.24	(0.600)	100		**1822650000**
4	22.86	(0.900)	100		**1822660000**
5	30.48	(1.200)	50		**1822670000**
6	38.10	(1.500)	50		**1822680000**
7	45.72	(1.800)	50		**1822690000**
8	53.34	(2.100)	50		**1822700000**
9	60.96	(2.400)	50		**1822710000**
10	68.58	(2.700)	50		**1822720000**
11	76.20	(3.000)	50		**1822730000**
12	83.82	(3.300)	50		**1822740000**

SV 7.62/180SF

Interlock flanges with nuts



Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1852870000**
3	15.24	(0.600)	100		**1852880000**
4	22.86	(0.900)	100		**1852890000**
5	30.48	(1.200)	50		**1852900000**
6	38.10	(1.500)	50		**1852910000**
7	45.72	(1.800)	50		**1852920000**
8	53.34	(2.100)	50		**1852930000**
9	60.96	(2.400)	50		**1852940000**
10	68.58	(2.700)	50		**1852950000**
11	76.20	(3.000)	50		**1852960000**
12	83.82	(3.300)	50		**1852970000**

Accessories

Coding

See chapter accessories
Order No. 1824410000

Anti-turn element

See chapter accessories
Order No. 1853940000

Male connectors with solder connection

SV 7.62/270

Single row high-current male connector, for side-by-side mounting without losing any poles or with patented flange for fast fixing without tools. Maximum connecting and operating reliability thanks to coding pin arrangement that prevents mismating. Additional fixing and integral positioning aid with 3.5 mm pin length for optimised for lead-free wave soldering, plug-in direction 270° to solder pins, completes the range.

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

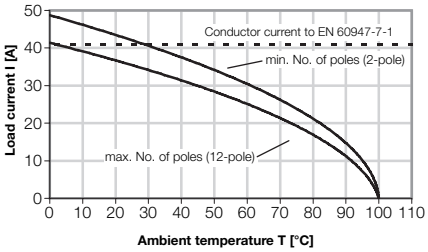
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		38
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor				
Material data				
Type of insulating material		PBT GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		
Information				

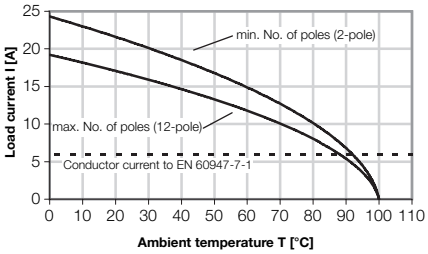
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

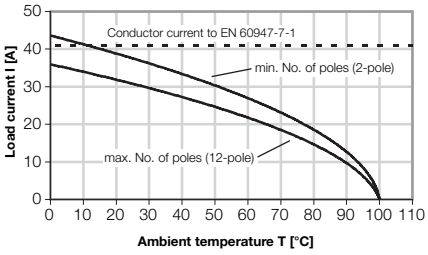
SV7.62/90 / BVZ / H07V-K6.0



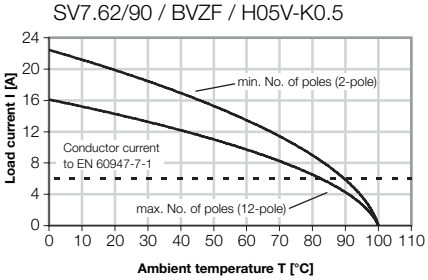
SV7.62/90 / BVZ / H05V-K0.5



SV7.62/90 / BVZF / H07V-K6.0

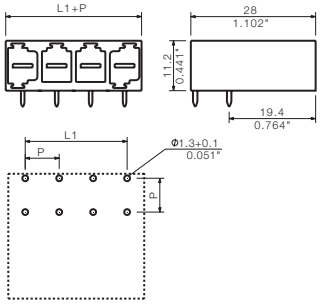


SV7.62/90 / BVZF / H05V-K0.5



SV 7.62/270G

without flanges



Ordering data

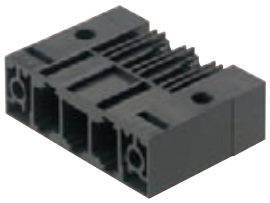
Solder pin length	**3.5 mm**
Colour of plastic	**black**

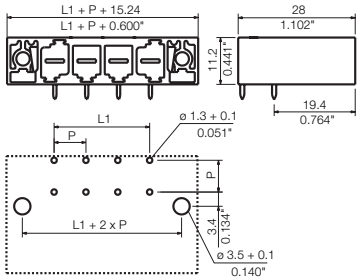
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1822750000**
3	15.24	(0.600)	100		**1822760000**
4	22.86	(0.900)	100		**1822770000**
5	30.48	(1.200)	50		**1822780000**
6	38.10	(1.500)	50		**1822790000**
7	45.72	(1.800)	50		**1822800000**
8	53.34	(2.100)	50		**1822810000**
9	60.96	(2.400)	50		**1822820000**
10	68.58	(2.700)	50		**1822830000**
11	76.20	(3.000)	50		**1822840000**
12	83.82	(3.300)	50		**1822850000**

SV 7.62/270F

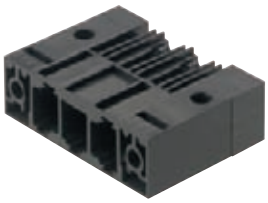
Interlock flanges

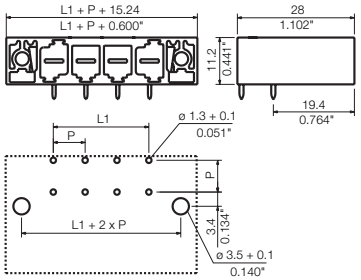




SV 7.62/270SF

Interlock flanges with nuts





Accessories

Coding

See chapter accessories
Order No. 1824410000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1822860000
3	15.24	(0.600)	100		1822870000
4	22.86	(0.900)	100		1822880000
5	30.48	(1.200)	50		1822890000
6	38.10	(1.500)	50		1822900000
7	45.72	(1.800)	50		1822910000
8	53.34	(2.100)	50		1822920000
9	60.96	(2.400)	50		1822930000
10	68.58	(2.700)	50		1822940000
11	76.20	(3.000)	50		1822950000
12	83.82	(3.300)	50		1822960000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1852760000
3	15.24	(0.600)	100		1852770000
4	22.86	(0.900)	100		1852780000
5	30.48	(1.200)	50		1852790000
6	38.10	(1.500)	50		1852800000
7	45.72	(1.800)	50		1852810000
8	53.34	(2.100)	50		1852820000
9	60.96	(2.400)	50		1852830000
10	68.58	(2.700)	50		1852840000
11	76.20	(3.000)	50		1852850000
12	83.82	(3.300)	50		1852860000

Male connectors with solder connection

SV 7.62HP/90G

High-current male connector for PCB connections. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series even greater efficiency benefits and is 100 % compatible with regard to layout and installation sizes. The major application standards are also complied with at the design-engineering stage, facilitating design and making it easier to obtain approval.

- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

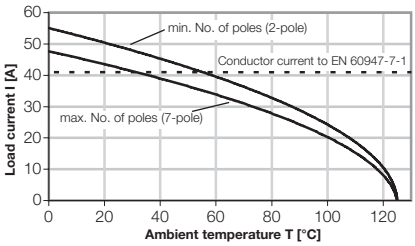
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		
Information				

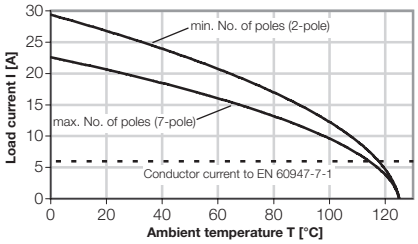
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

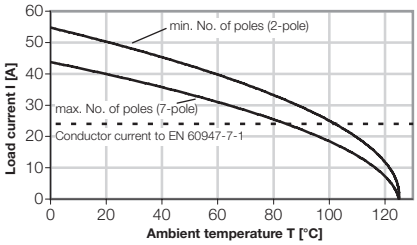
SV7.62HP/90 / BVZ HP/180 / H07V-K6



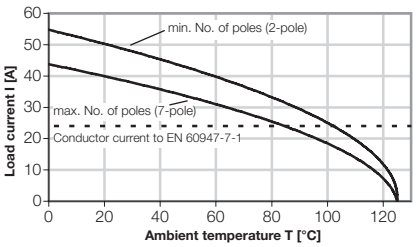
SV7.62HP/90 / BVZ HP/180 / H07V-K0.5



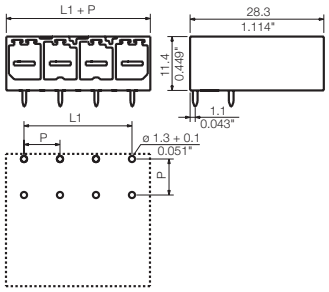
SV7.62HP/90 / BVL HP/90 / H07V-K2.5



SV7.62HP/90 / BVL HP/180 / H07V-K2.5



SV 7.62HP/90G



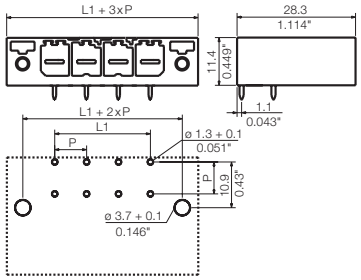
Ordering data

Solder pin length	**3.5 mm**
Colour of plastic	**black**

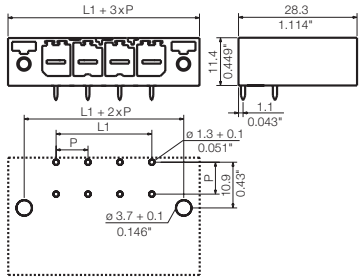
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1930270000**
3	15.24	(0.600)	100		**1930280000**
4	22.86	(0.900)	100		**1930290000**
5	30.48	(1.200)	50		**1930300000**
6	38.10	(1.500)	50		**1930310000**
7	45.72	(1.800)	50		**1930320000**
8	53.34	(2.100)	50		**1930330000**
9	60.96	(2.400)	50		**1930340000**
10	68.58	(2.700)	50		**1930350000**
11	76.20	(3.000)	50		**1930360000**
12	83.82	(3.300)	50		**1930370000**

SV 7.62HP/90F



SV 7.62HP/90SF



Accessories

Coding

See chapter accessories
Order No. 1937590000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1930380000
3	15.24	(0.600)	100		1930390000
4	22.86	(0.900)	100		1930400000
5	30.48	(1.200)	50		1930410000
6	38.10	(1.500)	50		1930420000
7	45.72	(1.800)	50		1930430000
8	53.34	(2.100)	50		1930440000
9	60.96	(2.400)	50		1930450000
10	68.58	(2.700)	50		1930460000
11	76.20	(3.000)	50		1930470000
12	83.82	(3.300)	50		1930480000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1930490000
3	15.24	(0.600)	100		1930500000
4	22.86	(0.900)	100		1930510000
5	30.48	(1.200)	50		1930520000
6	38.10	(1.500)	50		1930530000
7	45.72	(1.800)	50		1930540000
8	53.34	(2.100)	50		1930550000
9	60.96	(2.400)	50		1930560000
10	68.58	(2.700)	50		1930570000
11	76.20	(3.000)	50		1930580000
12	83.82	(3.300)	50		1930590000

Male connectors with solder connection

SV 7.62HP/180

High-current male connector for PCB connections. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series even greater efficiency benefits and is 100 % compatible with regard to layout and installation sizes. The major application standards are also complied with at the design-engineering stage, facilitating design and making it easier to obtain approval.

- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

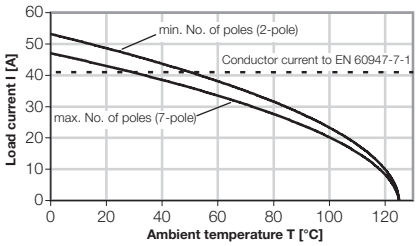
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		
Information				

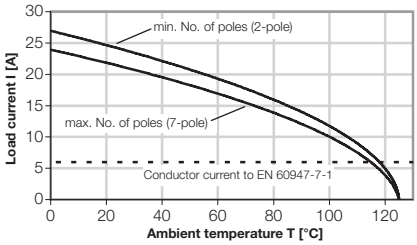
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

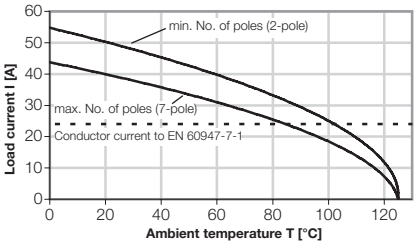
SV7.62HP/180 / BVZ HP/180 / H07V-K6



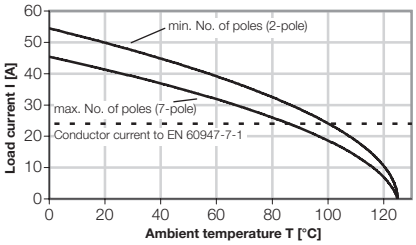
SV7.62HP/180 / BVZ HP/180 / H05V-K0.5



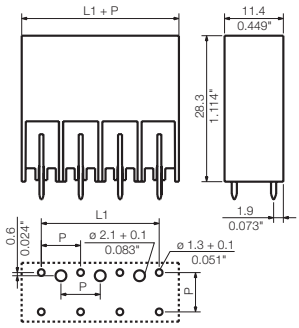
SV7.62HP/180 / BVL HP/90 / H07V-K2.5



SV7.62HP/180 / BVL HP/180 / H07V-K2.5



SV 7.62HP/180G



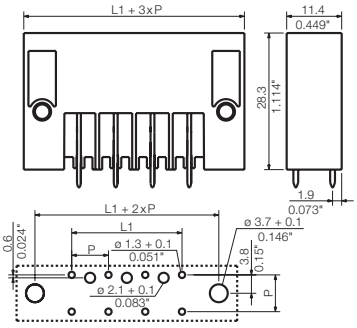
Ordering data

Solder pin length	**3.5 mm**
Colour of plastic	**black**

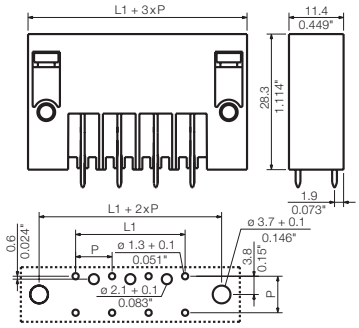
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1930600000**
3	15.24	(0.600)	100		**1930610000**
4	22.86	(0.900)	100		**1930620000**
5	30.48	(1.200)	50		**1930630000**
6	38.10	(1.500)	50		**1930640000**
7	45.72	(1.800)	50		**1930650000**
8	53.34	(2.100)	50		**1930660000**
9	60.96	(2.400)	50		**1930670000**
10	68.58	(2.700)	50		**1930680000**
11	76.20	(3.000)	50		**1930690000**
12	83.82	(3.300)	50		**1930700000**

SV 7.62HP/180F



SV 7.62HP/180SF



Accessories

Coding

See chapter accessories
Order No. 1937590000

Anti-turn element

See chapter accessories
Order No. 1853940000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1930710000**
3	15.24	(0.600)	100		**1930720000**
4	22.86	(0.900)	100		**1930730000**
5	30.48	(1.200)	50		**1930740000**
6	38.10	(1.500)	50		**1930750000**
7	45.72	(1.800)	50		**1930760000**
8	53.34	(2.100)	50		**1930770000**
9	60.96	(2.400)	50		**1930780000**
10	68.58	(2.700)	50		**1930790000**
11	76.20	(3.000)	50		**1930800000**
12	83.82	(3.300)	50		**1930810000**

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1930820000**
3	15.24	(0.600)	100		**1930830000**
4	22.86	(0.900)	100		**1930840000**
5	30.48	(1.200)	50		**1930850000**
6	38.10	(1.500)	50		**1930860000**
7	45.72	(1.800)	50		**1930870000**
8	53.34	(2.100)	50		**1930880000**
9	60.96	(2.400)	50		**1930890000**
10	68.58	(2.700)	50		**1930900000**
11	76.20	(3.000)	50		**1930910000**
12	83.82	(3.300)	50		**1930920000**

Male connectors with solder connection

SV 7.62HP/270

High-current male connector for PCB connections. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series even greater efficiency benefits and is 100 % compatible with regard to layout and installation sizes. The major application standards are also complied with at the design-engineering stage, facilitating design and making it easier to obtain approval.

- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

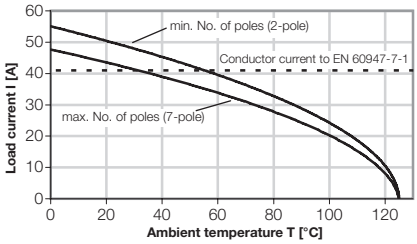
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		
Information				

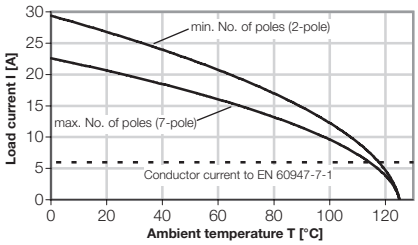
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

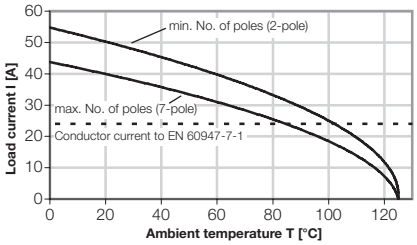
SV7.62HP/270 / BVZ HP/180 / H07V-K6



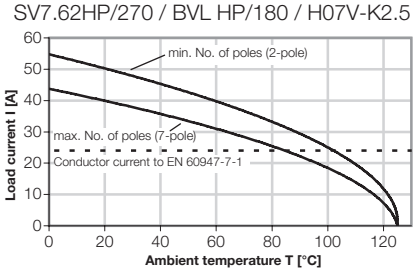
SV7.62HP/270 / BVZ HP/180 / H07V-K0.5



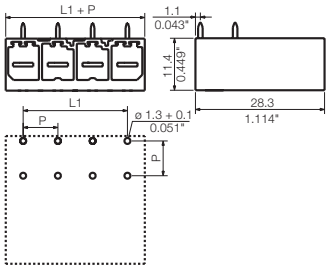
SV7.62HP/270 / BVL HP/90 / H07V-K2.5



SV7.62HP/270 / BVL HP/180 / H07V-K2.5



SV 7.62HP/270G



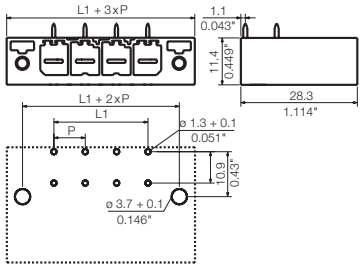
Ordering data

Solder pin length	**3.5 mm**
Colour of plastic	**black**

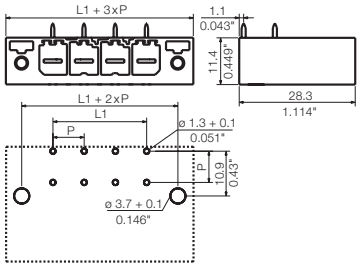
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1931260000**
3	15.24	(0.600)	100		**1931270000**
4	22.86	(0.900)	100		**1931280000**
5	30.48	(1.200)	50		**1931290000**
6	38.10	(1.500)	50		**1931300000**
7	45.72	(1.800)	50		**1931310000**
8	53.34	(2.100)	50		**1931320000**
9	60.96	(2.400)	50		**1931330000**
10	68.58	(2.700)	50		**1931340000**
11	76.20	(3.000)	50		**1931350000**
12	83.82	(3.300)	50		**1931360000**

SV 7.62HP/270F



SV 7.62HP/270SF



Accessories

Coding

See chapter accessories
Order No. 1937590000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1931370000**
3	15.24	(0.600)	100		**1931380000**
4	22.86	(0.900)	100		**1931390000**
5	30.48	(1.200)	50		**1931400000**
6	38.10	(1.500)	50		**1931410000**
7	45.72	(1.800)	50		**1931420000**
8	53.34	(2.100)	50		**1931430000**
9	60.96	(2.400)	50		**1931440000**
10	68.58	(2.700)	50		**1931450000**
11	76.20	(3.000)	50		**1931460000**
12	83.82	(3.300)	50		**1931470000**

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		**1931480000**
3	15.24	(0.600)	100		**1931490000**
4	22.86	(0.900)	100		**1931500000**
5	30.48	(1.200)	50		**1931510000**
6	38.10	(1.500)	50		**1931520000**
7	45.72	(1.800)	50		**1931530000**
8	53.34	(2.100)	50		**1931540000**
9	60.96	(2.400)	50		**1931550000**
10	68.58	(2.700)	50		**1931570000**
11	76.20	(3.000)	50		**1931580000**
12	83.82	(3.300)	50		**1931590000**

Male connectors with clamping yoke connection

SVZ 7.62HP/180

Inverted high-current male connector for field connections / conductor connections. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series even greater efficiency benefits. Compliance with the chief application standards and application-friendly accessories benefits designers in terms of both design itself and obtaining approval for the device.

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

Technical data

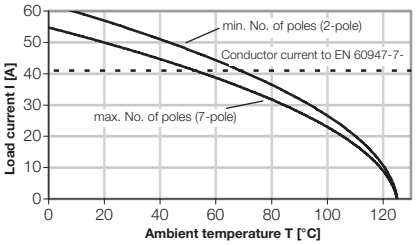
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5…6		
Flexible with ferrule	mm²	0.25…6		
Ferrule with plastic collar	mm²	0.25…6		
Stripping length	mm	12		
Screwdriver blade according to norm	mm	0.8 x 4.0 DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

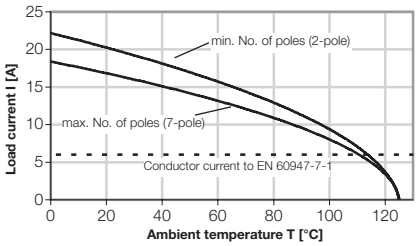
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- 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.

Derating curve

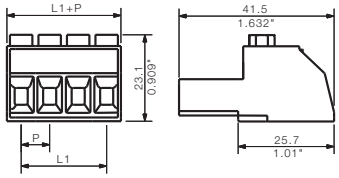
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



SVZ 7.62HP/180G



Ordering data

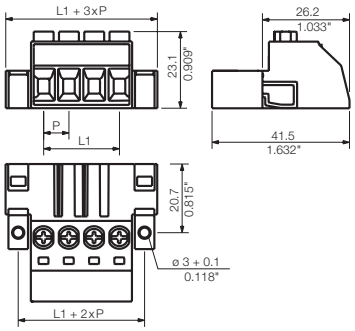
Solder pin length

Colour of plastic **black**

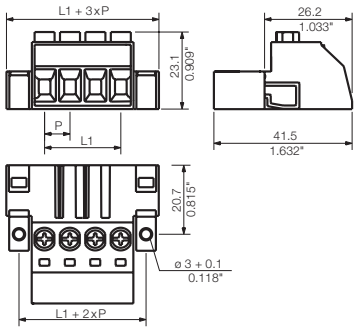
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1931620000
3	15.24	(0.600)	100		1931630000
4	22.86	(0.900)	100		1931640000
5	30.48	(1.200)	50		1931660000
6	38.10	(1.500)	50		1931670000
7	45.72	(1.800)	50		1931680000
8	53.34	(2.100)	50		1931690000
9	60.96	(2.400)	50		1931700000
10	68.58	(2.700)	50		1931710000
11	76.20	(3.000)	50		1931720000
12	83.82	(3.300)	50		1931730000

SVZ 7.62HP/180F



SVZ 7.62HP/180SF



Ordering data

Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1931870000
9	60.96	(2.400)	50		1931890000
10	68.58	(2.700)	50		1931900000
11	76.20	(3.000)	50		1931920000
12	83.82	(3.300)	50		1931930000

Ordering data

Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1932020000
9	60.96	(2.400)	50		1932030000
10	68.58	(2.700)	50		1932040000
11	76.20	(3.000)	50		1932050000
12	83.82	(3.300)	50		1932060000

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Male connectors with clamping yoke connection

SVZ 7.62HP/180-I

Inverted high-current male connector for field connections / conductor connections with active inverse flange. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series outstanding efficiency benefits. Compliance with the chief application standards, together with application-friendly accessories, benefits designers in terms of both the design of the device and obtaining approval for it.

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

Technical data

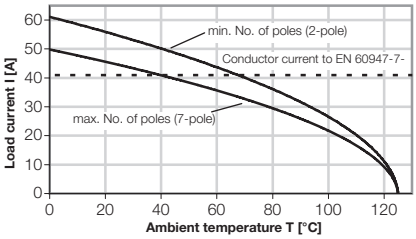
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5…6		
Flexible with ferrule	mm²	0.25…6		
Ferrule with plastic collar	mm²	0.25…6		
Stripping length	mm	12		
Screwdriver blade	mm	0.8 x 4.0		
according to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

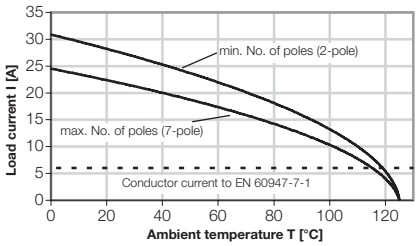
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- 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.

Derating curve

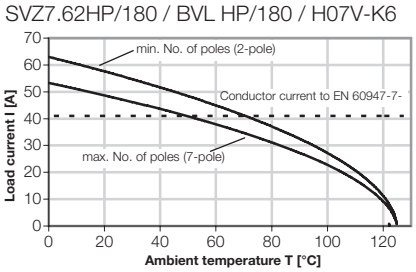
SVZ7.62HP/180 / BVL HP/90 / H07V-K6



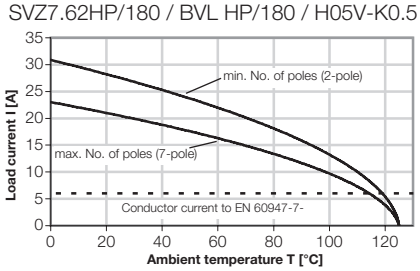
SVZ7.62HP/180 / BVL HP/90 / H05V-K0.5



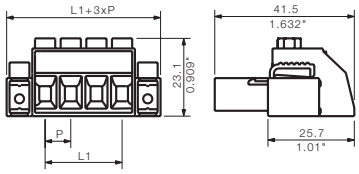
SVZ7.62HP/180 / BVL HP/180 / H07V-K6



SVZ7.62HP/180 / BVL HP/180 / H05V-K0.5



SVZ 7.62HP/180FI



Ordering data

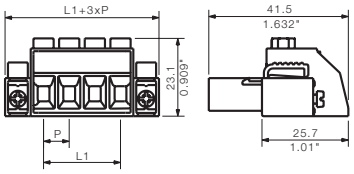
Solder pin length

Colour of plastic **black**

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1932130000
9	60.96	(2.400)	50		1932140000
10	68.58	(2.700)	50		1932150000
11	76.20	(3.000)	50		1932160000
12	83.82	(3.300)	50		1932170000

SVZ 7.62HP/180SFI



Ordering data

Solder pin length

Colour of plastic — **black**

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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**
8	53.34	(2.100)	50		**1932240000**
9	60.96	(2.400)	50		**1932250000**
10	68.58	(2.700)	50		**1932260000**
11	76.20	(3.000)	50		**1932270000**
12	83.82	(3.300)	50		**1932280000**

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

Male connectors with clamping yoke connection

SVZ 7.62HP/180-C

Inverted high-current male connector for inverse conductor-conductor connections, e.g. on terminal rails. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series outstanding efficiency benefits. Compliance with the chief application standards, together with application-friendly accessories, offers advantages in terms of both design and obtaining approval for the device.

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

Technical data

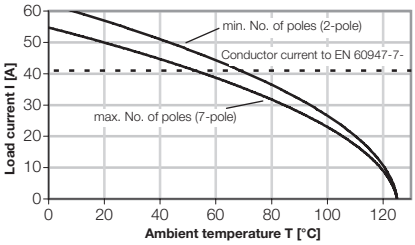
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5…6		
Flexible with ferrule	mm²	0.25…6		
Ferrule with plastic collar	mm²	0.25…6		
Stripping length	mm	12		
Screwdriver blade according to norm	mm	0.8 x 4.0 DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

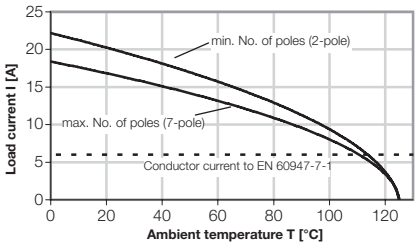
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- 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.

Derating curve

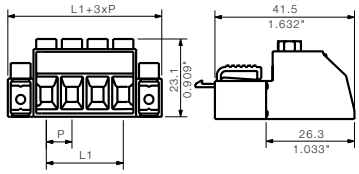
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



SVZ 7.62HP/180FC



Ordering data

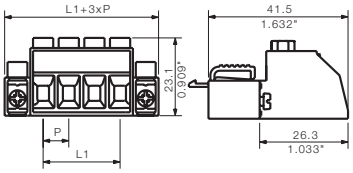
Solder pin length

Colour of plastic **black**

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1950940000
9	60.96	(2.400)	50		1950950000
10	68.58	(2.700)	50		1950960000
11	76.20	(3.000)	50		1950970000
12	83.82	(3.300)	50		1950980000

SVZ 7.62HP/180SFC



Ordering data

Solder pin length

Colour of plastic | **black**

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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**
8	53.34	(2.100)	50		**1951060000**
9	60.96	(2.400)	50		**1951070000**
10	68.58	(2.700)	50		**1951080000**
11	76.20	(3.000)	50		**1951090000**
12	83.82	(3.300)	50		**1951100000**

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

Male connectors with clamping yoke connection

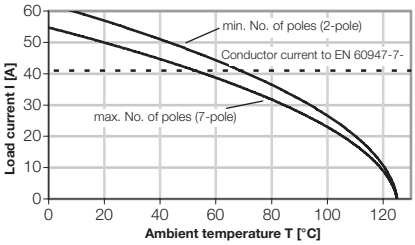
SVZ 7.62HP/180SH

Inverted high-current male connector for conductor-to-conductor connections. EMC screen connection in 3 outlet directions for space-saving conductor routing. With a 125 °C operating temperature, the high-performance version offers, besides the high standard of operation and safety of the standard series, very large performance reserves. Consideration of application standards simplifies design and approval of the device.

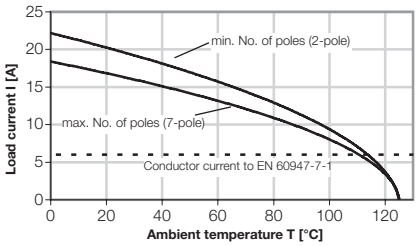
- 0.2 - 6 mm² (IEC) / 24 - 10 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Derating curve

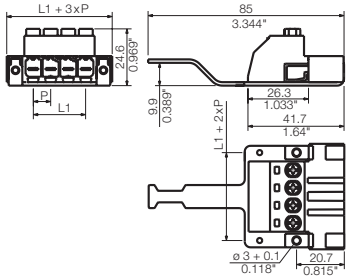
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



SVZ 7.62HP/180SH180



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
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 4.0		
according to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

Ordering data

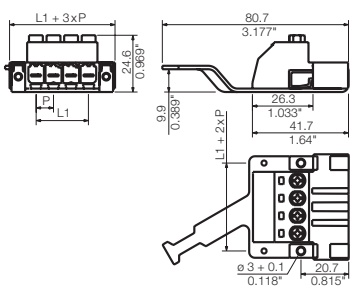
Solder pin length

Colour of plastic black

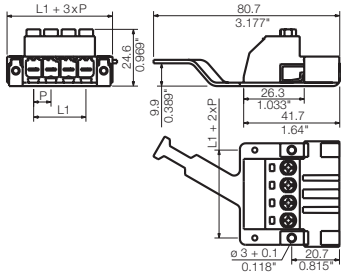
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
3	15.24	(0.600)	50		1932460000
4	22.86	(0.900)	50		1932470000
5	30.48	(1.200)	50		1932480000
6	38.10	(1.500)	50		1932490000

SVZ 7.62HP/180SH150



SVZ 7.62HP/180SH210



Ordering data

Solder pin length

Colour of plastic — black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
3	15.24	(0.600)	100		1932290000
4	22.86	(0.900)	100		1932300000
5	30.48	(1.200)	50		1932310000
6	38.10	(1.500)	50		1932320000

Ordering data

Solder pin length

Colour of plastic — black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
3	15.24	(0.600)	50		1932540000
4	22.86	(0.900)	50		1932550000
5	30.48	(1.200)	50		1932560000
6	38.10	(1.500)	50		1932570000

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Male connectors with clamping yoke connection

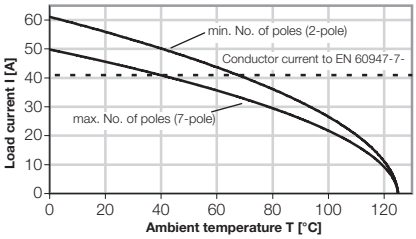
SVZ 7.62HP/180SH-I

Inverted high-current male connector for field connections / conductor connections with EMC shield support in 3 outlet directions ensuring space-saving conductor routing. With a 125 °C operating temperature, the high-performance version offers, besides the high standard of operation and safety of the standard series, very large performance reserves. Consideration of application standards simplifies design and approval of the device.

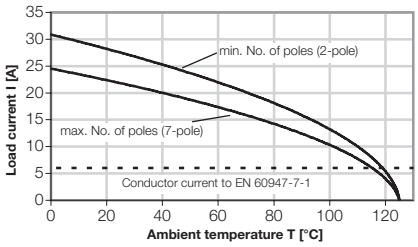
- 0.2 - 6 mm² (IEC) / 24 - 10 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Derating curve

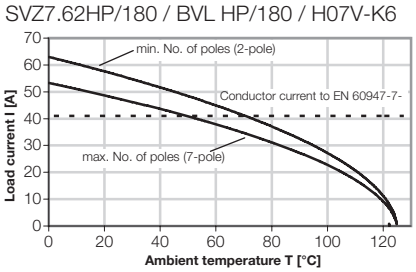
SVZ7.62HP/180 / BVL HP/90 / H07V-K6



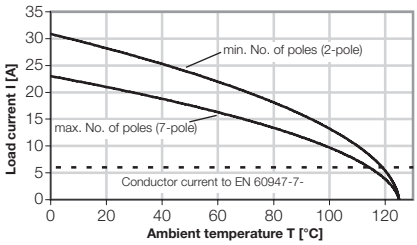
SVZ7.62HP/180 / BVL HP/90 / H05V-K0.5



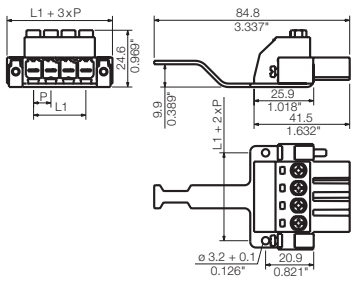
SVZ7.62HP/180 / BVL HP/180 / H07V-K6



SVZ7.62HP/180 / BVL HP/180 / H05V-K0.5



SVZ 7.62HP/180SH180I



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
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 according to norm	mm	0.8 x 4.0 DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

Ordering data

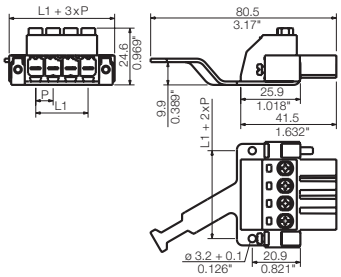
Solder pin length

Colour of plastic black

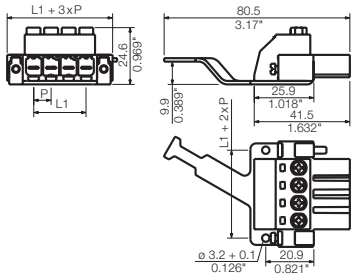
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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/180SH150I



SVZ 7.62HP/180SH210I



Ordering data

Solder pin length

Colour of plastic — black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

Ordering data

Solder pin length

Colour of plastic — black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Male connectors with clamping yoke connection

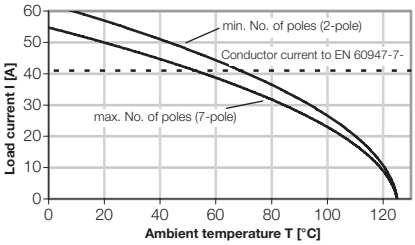
SVZ 7.62HP/180SH-C

Inverted high-current male connector for inverse conductor-to-conductor connections. EMC screen connection in 3 outlet directions for high connection density. With a 125 °C operating temperature, the high-performance version offers, besides the high standard of operation and safety of the standard series, very large performance reserves. Consideration of application standards simplifies design and approval of the device.

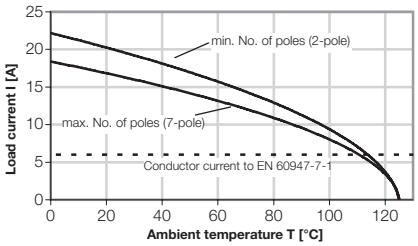
- 0.2 - 6 mm² (IEC) / 24 - 10 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Derating curve

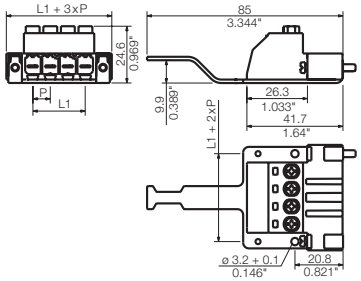
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



SVZ 7.62HP/180SH180C



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
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 4.0		
according to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

Ordering data

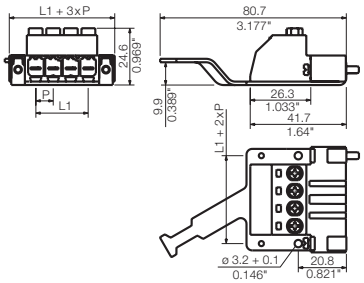
Solder pin length

Colour of plastic black

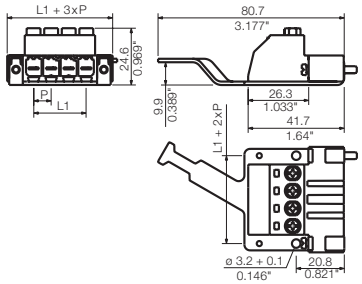
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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/180SH150C



SVZ 7.62HP/180SH210C



Ordering data

Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

Ordering data

Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Socket connectors with clamping yoke connection

BVZ 7.62/180

High-current female connector with the proven, steel tension clamp technology, for side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connecting and operating reliability thanks to coding pin arrangement that prevents mismating, unique coding options and 4-point contact. Superb marking facilities prevent wiring errors.

- 0.2 - 6 mm² (IEC) / 24 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

Technical data

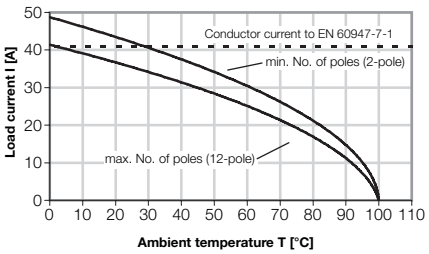
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5…6		
Flexible with ferrule	mm²	0.25…6		
Ferrule with plastic collar	mm²	0.25…4		
Stripping length	mm	8		
Screwdriver blade according to norm	mm	0.6 x 3.5 DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		38
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor		22-10		
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	31	31	5
AWG conductor		22-10		
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

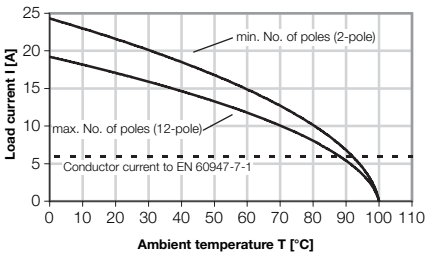
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- 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.

Derating curve

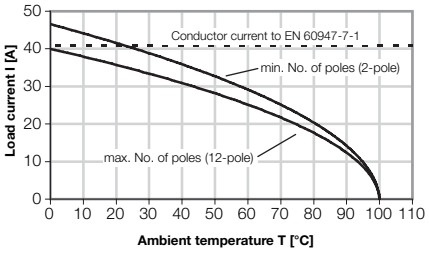
SV7.62/90 / BVZ / H07V-K6.0



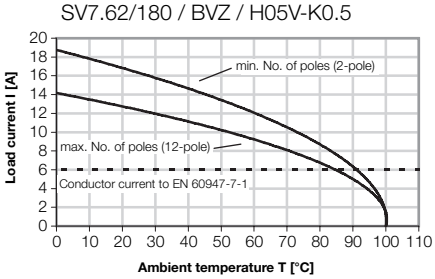
SV7.62/90 / BVZ / H05V-K0.5



SV7.62/180 / BVZ / H07V-K6.0

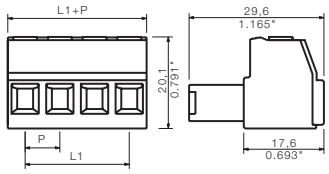


SV7.62/180 / BVZ / H05V-K0.5



BVZ 7.62/180

without flanges



Ordering data

Solder pin length

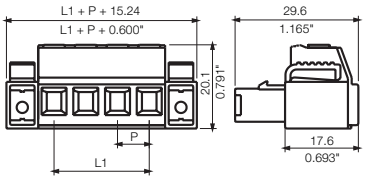
Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1821520000
3	15.24	(0.600)	100		1821530000
4	22.86	(0.900)	100		1821540000
5	30.48	(1.200)	50		1821550000
6	38.10	(1.500)	50		1821560000
7	45.72	(1.800)	50		1821570000
8	53.34	(2.100)	50		1821580000
9	60.96	(2.400)	50		1821590000
10	68.58	(2.700)	50		1821600000
11	76.20	(3.000)	50		1821610000
12	83.82	(3.300)	50		1821620000

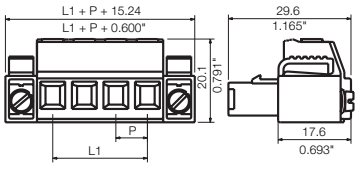
BVZ 7.62/180F

Interlock flanges without screws



BVZ 7.62/180SF

Interlock flanges with screws



Accessories

Coding

See chapter accessories
Order No. 1824410000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

Ordering data

Solder pin length

Colour of plastic — black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1821630000
3	15.24	(0.600)	100		1821640000
4	22.86	(0.900)	100		1821650000
5	30.48	(1.200)	50		1821660000
6	38.10	(1.500)	50		1821670000
7	45.72	(1.800)	50		1821680000
8	53.34	(2.100)	50		1821690000
9	60.96	(2.400)	50		1821700000
10	68.58	(2.700)	50		1821710000
11	76.20	(3.000)	50		1821720000
12	83.82	(3.300)	50		1821730000

Ordering data

Solder pin length

Colour of plastic — black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1853010000
3	15.24	(0.600)	100		1853020000
4	22.86	(0.900)	100		1853030000
5	30.48	(1.200)	50		1853040000
6	38.10	(1.500)	50		1853050000
7	45.72	(1.800)	50		1853060000
8	53.34	(2.100)	50		1853070000
9	60.96	(2.400)	50		1853080000
10	68.58	(2.700)	50		1853090000
11	76.20	(3.000)	50		1853100000
12	83.82	(3.300)	50		1853110000

Socket connectors with clamping yoke connection

BVZ 7.62HP/180

High-current socket connector for conductor connections. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series even greater efficiency benefits. Furthermore, rigorous compliance with important application standards, together with application-friendly accessories, has advantages in terms of both the design of the device and obtaining approval for it.

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

Technical data

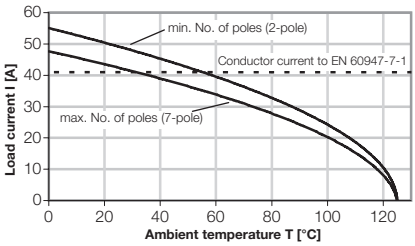
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5…6		
Flexible with ferrule	mm²	0.25…6		
Ferrule with plastic collar	mm²	0.25…6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
according to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

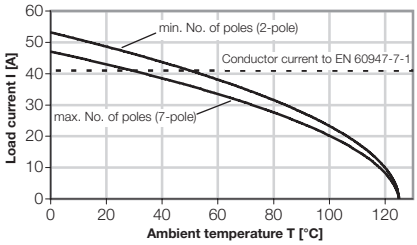
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- 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.

Derating curve

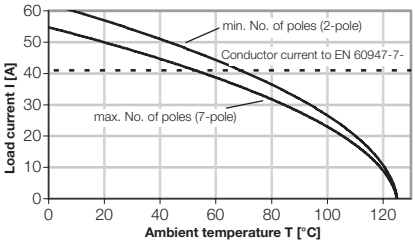
SV7.62HP/90 / BVZ HP/180 / H07V-K6



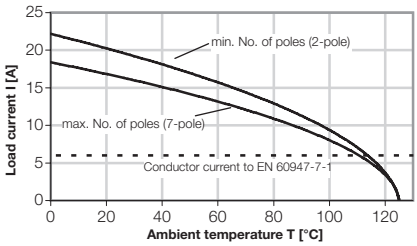
SV7.62HP/180 / BVZ HP/180 / H07V-K6



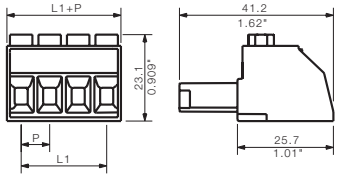
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



BVZ 7.62HP/180



Ordering data

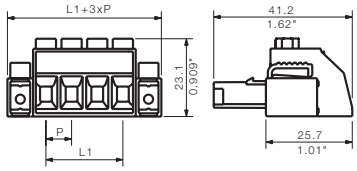
Solder pin length

Colour of plastic **black**

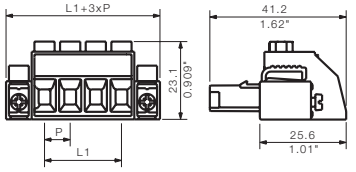
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.000)	100		**1929930000**
3	15.24	(0.000)	100		**1929940000**
4	22.86	(0.000)	100		**1929950000**
5	30.48	(0.000)	50		**1929960000**
6	38.10	(0.000)	50		**1929970000**
7	45.72	(0.000)	50		**1929980000**
8	53.34	(0.000)	100		**1929990000**
9	60.96	(0.000)	100		**1930000000**
10	68.58	(0.000)	100		**1930020000**
11	76.20	(0.000)	100		**1930030000**
12	83.82	(0.000)	100		**1930040000**

BVZ 7.62HP/180F



BVZ 7.62HP/180SF



Ordering data

Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.000)	100		1930050000
3	15.24	(0.000)	100		1930060000
4	22.86	(0.000)	100		1930070000
5	30.48	(0.000)	50		1930080000
6	38.10	(0.000)	50		1930090000
7	45.72	(0.000)	50		1930100000
8	53.34	(0.000)	50		1930110000
9	60.96	(0.000)	50		1930120000
10	68.58	(0.000)	50		1930130000
11	76.20	(0.000)	50		1930140000
12	83.82	(0.000)	50		1930150000

Ordering data

Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.000)	100		1930160000
3	15.24	(0.000)	100		1930170000
4	22.86	(0.000)	100		1930180000
5	30.48	(0.000)	50		1930190000
6	38.10	(0.000)	50		1930200000
7	45.72	(0.000)	50		1930210000
8	53.34	(0.000)	50		1930220000
9	60.96	(0.000)	50		1930230000
10	68.58	(0.000)	50		1930240000
11	76.20	(0.000)	50		1930250000
12	83.82	(0.000)	50		1930260000

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Socket connectors with clamping yoke connection

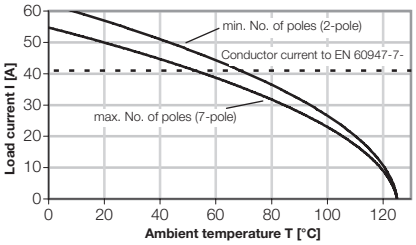
BVZ 7.62HP/180-C

High-current socket connector for inverse conductor-conductor connections. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series additional efficiency benefits. Moreover, compliance with important application standards, together with application-friendly accessories, has benefits in terms of both the design of the device and obtaining approval for it.

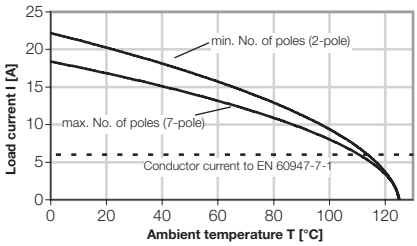
- 0.2 - 6 mm² (IEC) / 24 - 10 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Derating curve

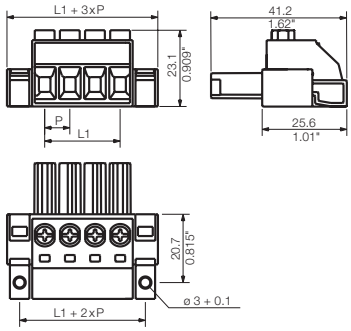
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



BVZ 7.62HP/180FC



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
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 according to norm	mm	0.6 x 3.5 DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

Ordering data

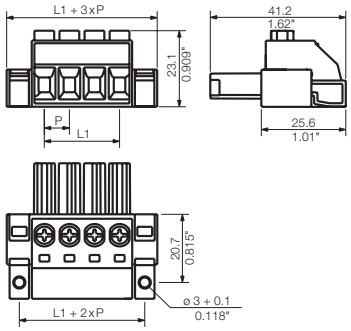
Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.000)	100		1929630000
3	15.24	(0.000)	100		1929640000
4	22.86	(0.000)	100		1929650000
5	30.48	(0.000)	50		1929660000
6	38.10	(0.000)	50		1929670000
7	45.72	(0.000)	50		1929680000
8	53.34	(0.000)	50		1929690000
9	60.96	(0.000)	50		1929700000
10	68.58	(0.000)	50		1929710000
11	76.20	(0.000)	50		1929720000
12	83.82	(0.000)	50		1929730000

BVZ 7.62HP/180SFC



Ordering data

Solder pin length

Colour of plastic | **black**

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.000)	100		**1929740000**
3	15.24	(0.000)	100		**1929750000**
4	22.86	(0.000)	100		**1929760000**
5	30.48	(0.000)	50		**1929770000**
6	38.10	(0.000)	50		**1929780000**
7	45.72	(0.000)	50		**1929790000**
8	53.34	(0.000)	50		**1929800000**
9	60.96	(0.000)	50		**1929810000**
10	68.58	(0.000)	50		**1929820000**
11	76.20	(0.000)	50		**1929830000**
12	83.82	(0.000)	50		**1929840000**

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Socket connectors with clamping yoke connection

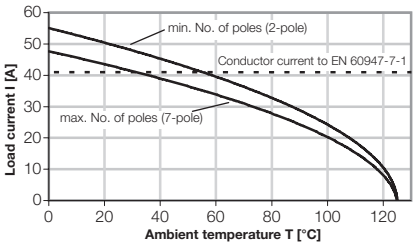
BVZ 7.62HP/180SH

High-current socket connector for conductor connections with EMC shield support in 3 outlet directions ensures space-saving conductor routing on the device. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series outstanding efficiency benefits. Compliance with application standards has advantages in terms of both the design of the device and obtaining approval for it.

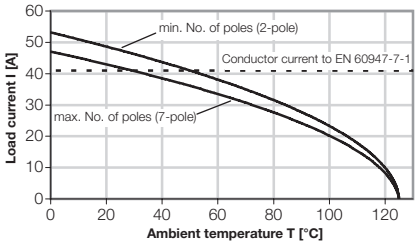
- 0.2 - 6 mm² (IEC) / 24 - 10 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Derating curve

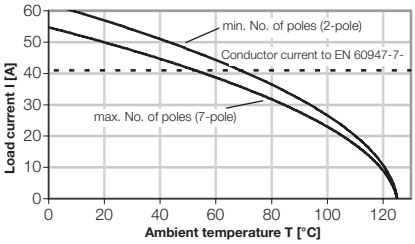
SV7.62HP/90 / BVZ HP/180 / H07V-K6



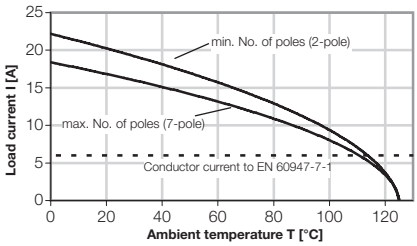
SV7.62HP/180 / BVZ HP/180 / H07V-K6



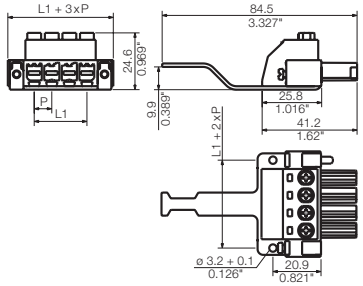
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



BVZ 7.62HP/180SH180



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
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 according to norm	mm	0.6 x 3.5 DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

Ordering data

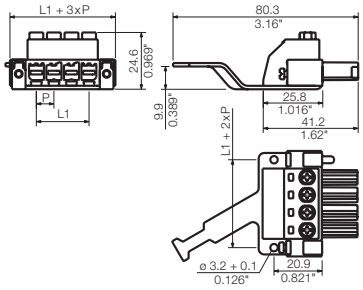
Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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/180SH150



Ordering data

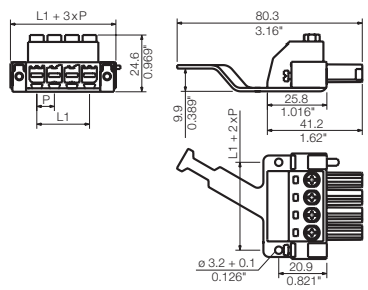
Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
3	15.24	(0.000)	50		1929850000
4	22.86	(0.000)	25		1929860000
5	30.48	(0.000)	25		1929870000
6	38.10	(0.000)	25		1929880000

BVZ 7.62HP/180SH210



Ordering data

Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Socket connectors with clamping yoke connection

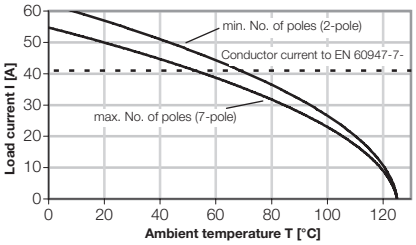
BVZ 7.62HP/180SH-C

High-current socket connector for inverse conductor-conductor connections. EMC shield support in 3 outlet directions ensures space-saving conductor routing.Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series outstanding efficiency benefits. Compliance with application standards has advantages in terms of both the design of the device and obtaining approval for it.

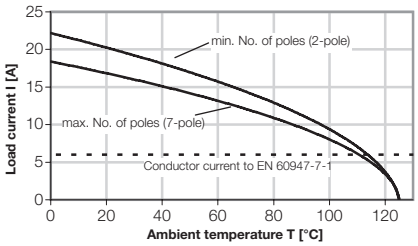
- 0.2 - 6 mm² (IEC) / 24 - 10 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Derating curve

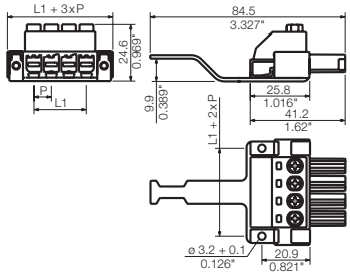
SVZ7.62HP/180 / BVZ HP/180 / H07V-K6



SVZ7.62HP/180 / BVZ HP/180 / H05V-K0.5



BVZ 7.62HP/180SH180C



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
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	0.6 x 3.5		
according to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	35	35	
AWG conductor			24-10	
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

Ordering data

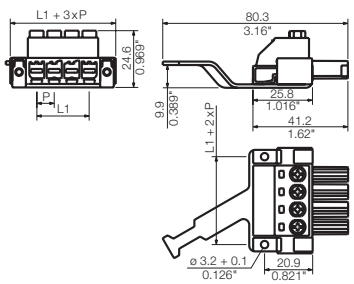
Solder pin length

Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
3	15.24	(0.600)	100		1933380000
4	22.86	(0.900)	100		1933390000
5	30.48	(1.200)	100		1933400000
6	38.10	(1.500)	100		1933410000

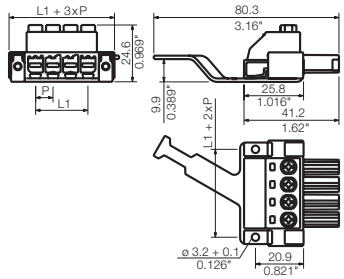
BVZ 7.62HP/180SH150C



Ordering data

Solder pin length					
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
3	15.24	(0.000)	100		1929890000
4	22.86	(0.000)	100		1929900000
5	30.48	(0.000)	50		1929910000
6	38.10	(0.000)	50		1929920000

BVZ 7.62HP/180SH210C



Ordering data

Solder pin length					
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
3	15.24	(0.600)	100		1933470000
4	22.86	(0.900)	100		1933480000
5	30.48	(1.200)	100		1933490000
6	38.10	(1.500)	100		1933500000

Accessories

Coding

See chapter accessories
Order No. 1937590000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008390000

J

Socket connectors with tension clamp connection

BVZF 7.62/180

High-current female connector with time-saving, vibration-proof tension clamp connection, for side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connecting and operating reliability thanks to coding pin arrangement that prevents mismating, unique coding options and 4-point contact. Superb marking facilities prevent wiring errors.

- 0.2 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 38 A (IEC) / 27 A (UL)

Technical data

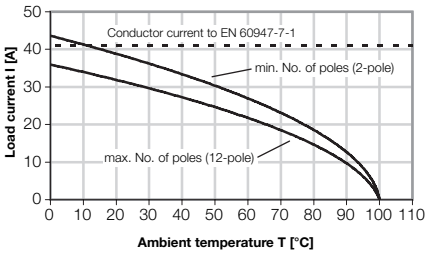
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2…6		
Solid H05(07) V-U	mm²	0.2…6		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5…6		
Flexible with ferrule	mm²	0.25…4		
Ferrule with plastic collar	mm²	0.25…4		
Stripping length	mm	8		
Screwdriver blade according to norm	mm	0.8 x 4.0 DIN 5264-A		
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	38		33
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	27	27	5
AWG conductor		22-10		
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	27	27	5
AWG conductor		22-10		
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

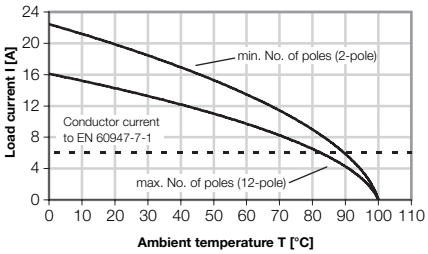
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- 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.

Derating curve

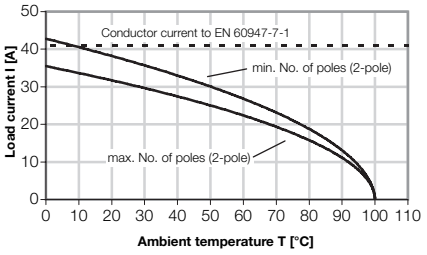
SV7.62/90 / BVZF / H07V-K6.0



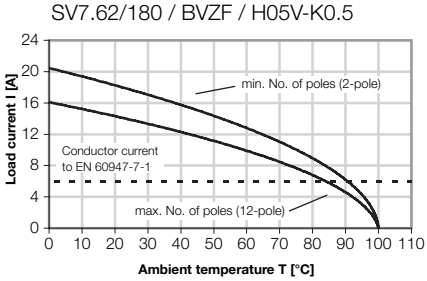
SV7.62/90 / BVZF / H05V-K0.5



SV7.62/180 / BVZF / H07V-K6.0

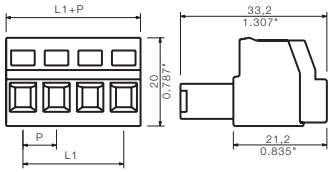


SV7.62/180 / BVZF / H05V-K0.5



BVZF 7.62/180

without flanges



Ordering data

Solder pin length

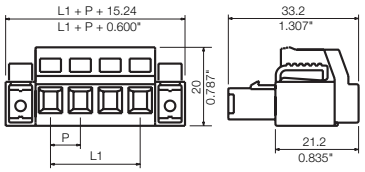
Colour of plastic black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	22.86	(0.900)	100		1821760000
5	30.48	(1.200)	50		1821770000
6	38.10	(1.500)	50		1821780000
7	45.72	(1.800)	50		1821790000
8	53.34	(2.100)	50		1821800000
9	60.96	(2.400)	50		1821810000
10	68.58	(2.700)	50		1821820000
11	76.20	(3.000)	50		1821830000
12	83.82	(3.300)	50		1821840000

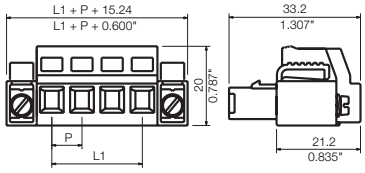
BVZF 7.62/180F

Interlock flanges without screws



BVZF 7.62/180SF

Interlock flanges with screws



Ordering data

Solder pin length

Colour of plastic | **black**

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	22.86	(0.900)	100		1821870000
5	30.48	(1.200)	50		1821880000
6	38.10	(1.500)	50		1821890000
7	45.72	(1.800)	50		1821900000
8	53.34	(2.100)	50		1821910000
9	60.96	(2.400)	50		1821920000
10	68.58	(2.700)	50		1821930000
11	76.20	(3.000)	50		1821940000
12	83.82	(3.300)	50		1821950000

Ordering data

Solder pin length

Colour of plastic | **black**

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	22.86	(0.900)	100		1853210000
5	30.48	(1.200)	50		1853220000
6	38.10	(1.500)	50		1853230000
7	45.72	(1.800)	50		1853240000
8	53.34	(2.100)	50		1853250000
9	60.96	(2.400)	50		1853260000
10	68.58	(2.700)	50		1853270000
11	76.20	(3.000)	50		1853280000
12	83.82	(3.300)	50		1853290000

Accessories

Coding

See chapter accessories
Order No. 1824410000

Marking strips

See chapter accessories

Screwdriver

See chapter accessories
Order No. 9008330000

J

Socket connectors with solder connection

BVL 7.62HP/90

Inverted high-current socket connector for 90° PCB connections designed to prevent finger contact. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series even greater efficiency benefits and is 100 % compatible with regard to layout and installation sizes. Compliance with application standards has advantages in terms of both the design of the device and obtaining approval for it.

- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Technical data

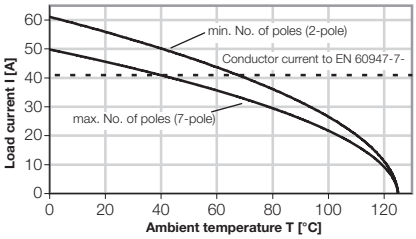
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

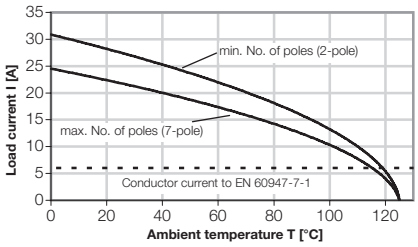
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

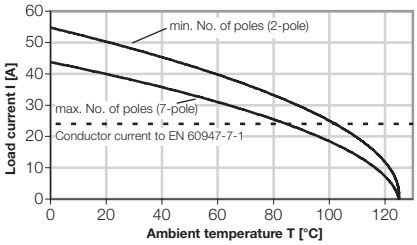
SVZ7.62HP/180 / BVL HP/90 / H07V-K6



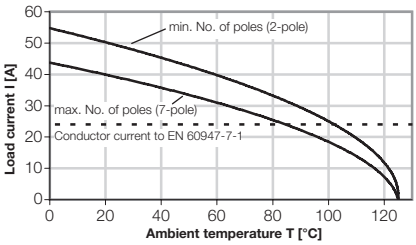
SVZ7.62HP/180 / BVL HP/90 / H05V-K0.5



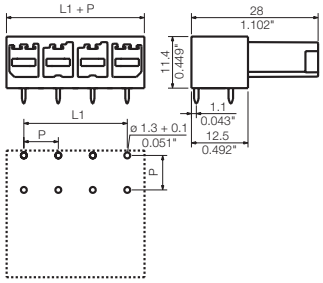
SV7.62HP/90 / BVL HP/90 / H07V-K2.5



SV7.62HP/180 / BVL HP/90 / H07V-K2.5



BVL 7.62HP/90G



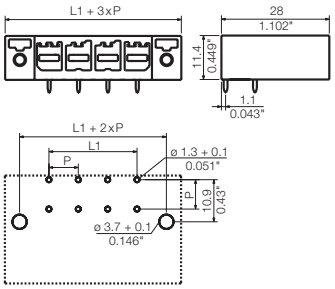
Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

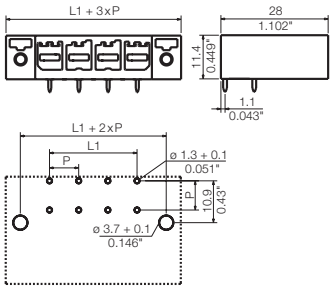
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1928280000
3	15.24	(0.600)	100		1928290000
4	22.86	(0.900)	100		1928300000
5	30.48	(1.200)	50		1928310000
6	38.10	(1.500)	50		1928320000
7	45.72	(1.800)	50		1928330000
8	53.34	(2.100)	50		1928340000
9	60.96	(2.400)	50		1928350000
10	68.58	(2.700)	50		1928360000

BVL 7.62HP/90FI



BVL 7.62HP/90SFI



Accessories

Coding

See chapter accessories
Order No. 1937590000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1928450000
9	60.96	(2.400)	50		1928460000
10	68.58	(2.700)	50		1928470000
11	76.20	(3.000)	50		1928480000
12	83.82	(3.300)	50		1928490000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1928560000
9	60.96	(2.400)	50		1928570000
10	68.58	(2.700)	50		1928580000
11	76.20	(3.000)	50		1928590000
12	83.82	(3.300)	50		1928600000

Socket connectors with solder connection

BVL 7.62HP/180

Inverted high-current socket connector for 180° PCB connections designed to prevent finger contact. Operating as it does at 125° C, the high-performance version promises over and above the high operational and safety levels of the standard series even greater efficiency benefits and is 100 % compatible with regard to layout and installation sizes. Compliance with application standards has advantages in terms of both the design of the device and obtaining approval for it.

- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Technical data

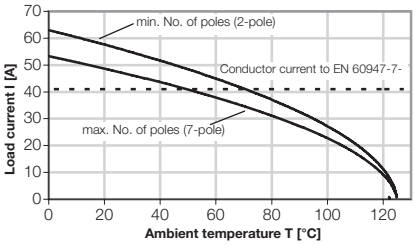
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

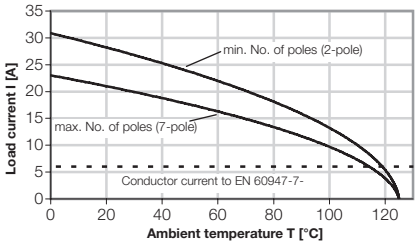
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

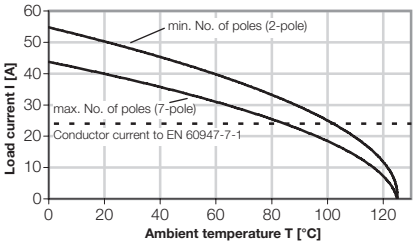
SVZ7.62HP/180 / BVL HP/180 / H07V-K6



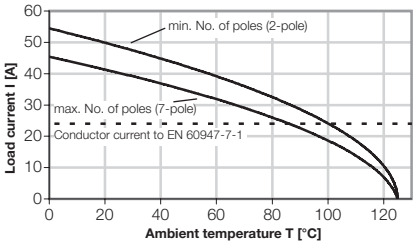
SVZ7.62HP/180 / BVL HP/180 / H05V-K0.5



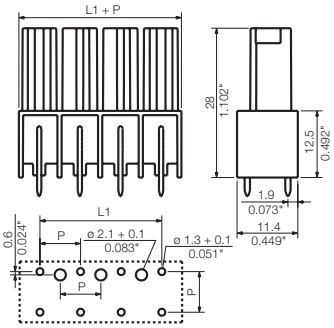
SV7.62HP/90 / BVL HP/180 / H07V-K2.5



SV7.62HP/180 / BVL HP/180 / H07V-K2.5



BVL 7.62HP/180G



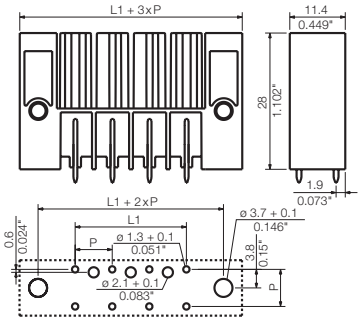
Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

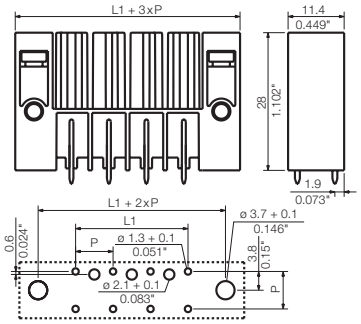
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1928680000
9	60.96	(2.400)	50		1928690000
10	68.58	(2.700)	50		1928700000
11	76.20	(3.000)	50		1928710000
12	83.82	(3.300)	50		1928720000

BVL 7.62HP/180FI



BVL 7.62HP/180SFI



Accessories

Coding

See chapter accessories
Order No. 1937590000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1928790000
9	60.96	(2.400)	50		1928800000
10	68.58	(2.700)	50		1928810000
11	76.20	(3.000)	50		1928820000
12	83.82	(3.300)	50		1928830000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1928920000
9	60.96	(2.400)	50		1928930000
10	68.58	(2.700)	50		1928940000
11	76.20	(3.000)	50		1928950000
12	83.82	(3.300)	50		1928960000

Socket connectors with solder connection

BVL 7.62HP/270

Inverted high-current male connector for finger contact-proof 270° PBC connection. With a 125 °C operating temperature, the high-performance version offers, besides the high standard of operation and safety of the standard series, very large performance reserves and is also 100 % compatible in terms of layout and installation dimensions. Consideration of application standards simplifies device design and approval.

- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

Technical data

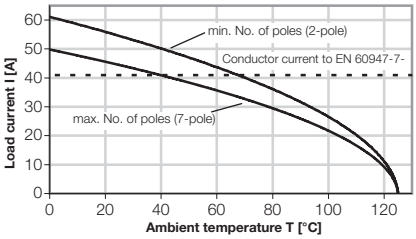
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			
Rated current at ambient temperature		**20°C**		**40°C**
	A	41		41
Overvoltage category / Pollution severity		**III / 3**	**III / 2**	**II / 2**
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL 1059 rated data		**B**	**C**	**D**
Nominal voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
CSA C22.2 rated data		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor				
Material data				
Type of insulating material		PA GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

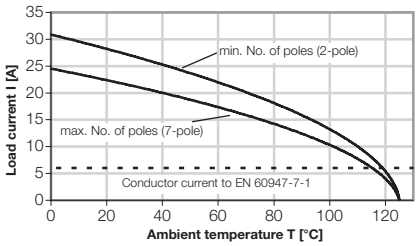
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed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

Derating curve

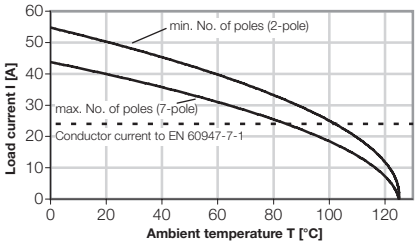
SVZ7.62HP/180 / BVL HP/90 / H07V-K6



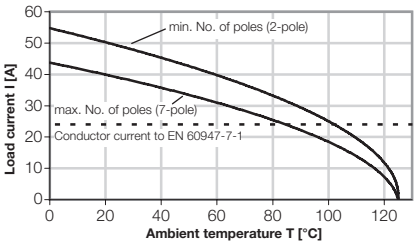
SVZ7.62HP/180 / BVL HP/90 / H05V-K0.5



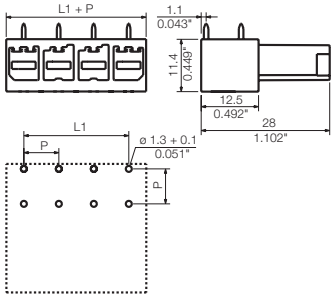
SV7.62HP/90 / BVL HP/90 / H07V-K2.5



SV7.62HP/180 / BVL HP/90 / H07V-K2.5



BVL 7.62HP/270G



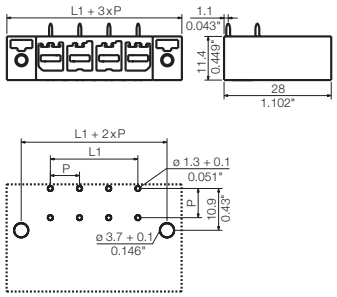
Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

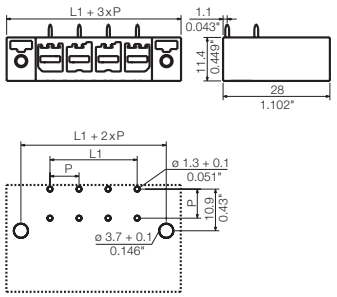
Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1929360000
9	60.96	(2.400)	50		1929370000
10	68.58	(2.700)	50		1929380000
11	76.20	(3.000)	50		1929390000
12	83.82	(3.300)	50		1929400000

BVL 7.62HP/270FI



BVL 7.62HP/270SFI



Accessories

Coding

See chapter accessories
Order No. 1937590000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1929470000
9	60.96	(2.400)	50		1929480000
10	68.58	(2.700)	50		1929490000
11	76.20	(3.000)	50		1929500000
12	83.82	(3.300)	50		1929510000

Ordering data

Solder pin length					3.5 mm
Colour of plastic					black
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	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
8	53.34	(2.100)	50		1929580000
9	60.96	(2.400)	50		1929590000
10	68.58	(2.700)	50		1929600000
11	76.20	(3.000)	50		1929610000
12	83.82	(3.300)	50		1929620000