OMNIMATE Power PCB Connectors

OMNIMATE Power PCB Connectors

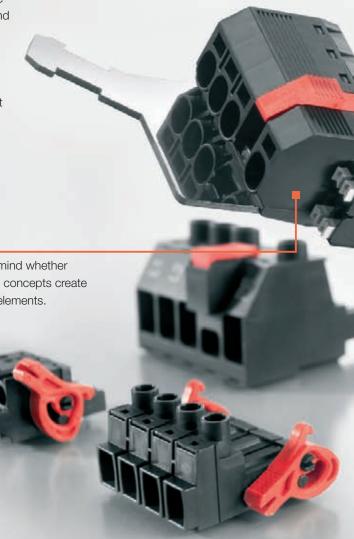
Connectors for IT systems		
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Connectors in 7.62 mm pitch Series BL/SL 7.62 IT - connects up to 4 mm ²		
	Explanation	F.24
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OMNIMATE Power on BOARD Integrated connection systems delivering innovative drive applications

The OMNIMATE Power system excels in power electronics and drive applications because it has implemented and incorporated customer and market requirements.

Custom-fit connection solutions for power electronics – resulting from the synergy between application-oriented components, individual services and competent design-in support.

The following pages show why OMNIMATE Power is the ideal system for power electronics and drive applications. This system has benefited from our broader perspective of component directives and our consistent implementation of requests from the market and customers.



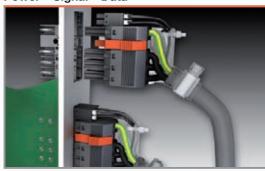
Performance + Innovation

Designed with future requirements in mind whether for cars or servo-drives: hybrid design concepts create an efficient solution from two distinct elements.

Power Signal Data s more than just design-in

Weidmüller's connection strategy for drive applications joins power and signals. It also takes advantage of innovate EMC protection for data transmissions between the communications modules.

Power - Signal - Data



An overview of OMNIMATE Power



The single-source solution that omits no necessary components a result of Weidmüller's technology and application expertise delivers the optimal designed-in

The following pages describe the individual product lines in detail.

Design-In Services & Support



The path to top results starts before component selection and does not end with delivery. More information can be found in the "Services & Support" brochure (order number 1077670000) or at www.galaxy.weidmueller.com



Weidmüller delivers more than just components. Our design-in competence encompassing work from design and implementation to the market release phase delivers the top results.



0V -48V 0V -17345678. 12345

Performance + Services

Customised services supplement our comprehensive standard portfolio. The housing colour, printing, coding, contact surfaces, packaging and much more can be configured online with just a few mouse clicks.

OMNIMATE Power for IT systems – scalable up to 50 kVA Custom-fit solutions for special requirements

Increased compliance with standards and fewer compromises:

OMNIMATE Power for IT systems establishes a new level of
excellence with its standard integrated details. These attributes
streamline the design-in and approval processes and result in safer
operations.

Results for the application and advantages for the user: unlimited use in 400-V IT systems and touch safety according to IEC 61800-5-1 (+ 5 mm). The self-snapping one-handed safety flange enables intuitive and safe usage. Operational reliability is guaranteed by the automatic interlock feature during the plug-in process. The application-oriented design means that no compromises are necessary during the approval process.



Uncompromised scalability

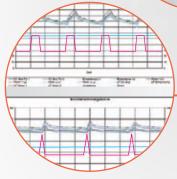
As much power as required, as little cost as needed: a device series for every power level and power type: scalable from 25 A/2.5 mm² to 41 A/6 mm² to 76 A/16 mm².



IEC 61800-5-1 approval

No additional measures or compromises in the system suitable, touch-safe certification according to IEC 61800-5-1:

- + 3.0 mm for 400 V TN systems,
- + 5.5 mm for 400 V IT networks.



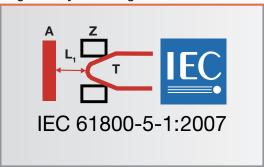
Uncompromised power capabilities

Uncompromised means high power reserves for superior overload capacity even under the high ambient temperatures of real-world applications.

Uncompromised safety

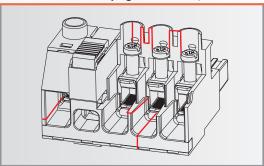
Details such as insulated contact tips that ensure the pin header is touch-safe and automatic snap-in for a secure interlocking connection.





Since the end of 2007, device approval according to IEC Directive "Adjustable speed electrical power drive systems -Part 5-1: Safety requirements" requires that - regardless of the line-to-earth voltage - an additional finger safety interval exists (for example, + 3 mm for 400 V-TN systems (wire-toearth voltage = 230 V), or + 5.5 mm for 400-V IT systems (wire-to-earth voltage up to 400 V in event of error). An additional cover is required if the connection system, as a device section, does not fulfil these requirements. The OMNIMATE Power HP product line already complies with the stricter IEC requirements for additional touch protection.

Clearance and creepage distances, acc. to UL

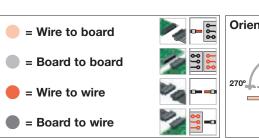


A 600-V connector must have the approval of the UL 1059 component directive - but the potential installation situations must first be taken into consideration. This allows you to avoid making approval compromises - such as UL 508C or incorporating complex additions such as coatings or protective hoods. The OMNIMATE Power HP product line already complies with the UL requirements for 600-V creepage and clearance distances.

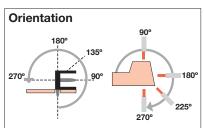


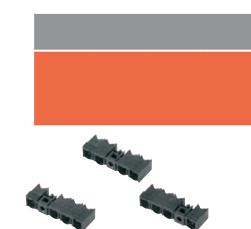
UL approval without compromise

No limitation for UL approval with 600-V applications: with optimised creepage and clearance distance even under difficult installation situations.



Connection cross-section





4 mm²

			0011110	CHOIT CIOSS SECTION				4 mm-				
					Туре				SL	SL	SL	
						Orienta	ation		90°	90°	90°	
						'	Flange o	ptions	MF2	MF3	MF4	
								Page	F.8	F.9	F.9	
		Screw	12	A STATE OF THE STA	BLZ	180°	MF2	F.10	•			
		Clamping yoke	4 mm² / AWG 12	May	BLZ	180°	MF3	F.11				
ı			4 π		BLZ	180°	MF4	F.11			•	
	Female plug	AMO 10	6 mm² / AWG 10		BVZ	180°	MF2	F.16				
					BVZ	180°	MF3	F.17				
			6 m		BVZ	180°	MF4	F.17				
		9 5		BUZ	180°	MF2	F.22					
		16 mm² / AWG 6		BUZ	180°	MF3	F.23					
		16 г		BUZ	180°	MF4	F.23					
				MF2 = Centre snap flange at position 2	!							

MF2 = Centre snap flange at position 2
MF3 = Centre snap flange at position 3
MF4 = Centre snap flange at position 4

Male header



Solder connection



	6 mm ²			16 mm ²			
SV	SV	SV	SU	SU	SU		
90° / 270°	90° / 270°	90° / 270°	90° / 270°	90° / 270°	90° / 270°		
MF2	MF3	MF4	MF2	MF3	MF4		
F.12/14	F.13/15	F.13/15	F.18/20	F.19/21	F.19/21		

SL 7.62IT/../90MF



Male header available in 90° outlet direction with a leading PE contact for IT networks. UL approval according to UL840 (600 V). Used together with the BLZ 7.62 IT female plug. It complies with the expanded requirements for 5.5 mm of touch protection with (400 V relative to earth), according to IEC 61800-5-1. When no female plug is present, the mating profile ensures at least 1 mm of finger protection with a test finger pressure of 20 N.

The middle solder flange interlock feature decreases the space required by one pole width when compared to other solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 630 V / 29 A UL: 300 V / 20 A

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

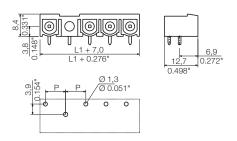
Note:

- · Additional colours on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 7.62IT/../90MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664	-1 / IEC (61984				
Clamping range, max.	mm²					
Solid core H05(07) V-U	mm²					
Stranded H07 V-R						
Flexible H05(07) V-K	mm²					
Flexible with ferrule	mm ²					
Ferrule with plastic collar	mm²					
Stripping length	mm					
Screwdriver blade	mm					
According to norm						
Tightening torque range	Nm					
Rated current, max.	Α	29		25		
At ambient temperature		20°C		40°C		
For conductor cross-section	mm²					
Overvoltage category		Ш	Ш	Ш		
Pollution severity		3	2	2		
Rated voltage	V	400	500	630		
Rated impulse voltage	kV	6	6	6		
UL / CUL (Use Group)		В	С	D		
Rated voltage	٧	300	300	600		
Rated current	Α	20	20	5		
AWG conductor	AWG		-			
CSA (Use Group)		В	С	D		
Rated voltage	V	300	300	600		
Rated current	Α	20	20	5		
AWG conductor	AWG		-			
General data						
Type of insulation material		F	PBT G	F		
Flammability class UL 94			V-0			
Contact base material		Co	pper a	lloy		
Material of contact surface			tinned			
Pin dimensions = d	mm	1.0 x 1.0				
Solder eyelet $\emptyset = D$	mm		1.3			
Solder eyelet Ø tolerance	mm		+ 0,1			

Accessories

Note: Refer to the	Accessories chapter for additional	accessories.
Coding		Order No.
	BLZ/SL KO OR	1573010000
1	BLZ/SL KO SW	1545710000
-		

Solder pin	length			3.2 mm
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1173610000
3	15.24	0.600	100	1173640000
4	22.86	0.900	100	1173730000

SL 7.62IT/../90MF3

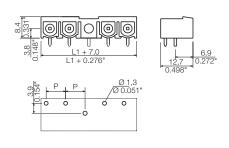
SL 7.62IT/../90MF4

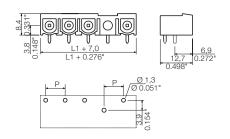




Dimensioned drawing

Dimensioned drawing





Ordering data

Solder pir	length			3.2 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	100	1173690000

Solder pin	length			3.2 mm
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
4	22.86	0.900	100	1173770000

BLZ 7.62IT/../180MF



Female plug in 180° outlet direction for IT networks. Fulfils the requirements of UL1059 600 V Class C. With a leading PE contact when used with SL 7.62IT male header. Fulfils the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1.

The middle flange interlocks automatically and is optionally available with screw connection. It decreases the space required by one pole when compared to other solutions.

Available optionally without middle flange interlock.

Product data

IEC: 630 V / 29 A / 0.08 - 4 mm² UL: 600 V / 20 A / AWG 28 - 12

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

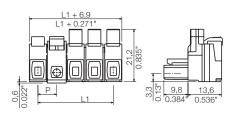
Note:

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

BLZ 7.62IT/../180MF2



Dimensioned drawing



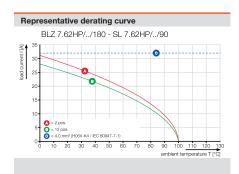
Technical data

In compliance with IEC 60664-	1 / IEC (61984		
Clamping range, max.	mm²	(0.084	4
Solid core H05(07) V-U	mm²	(0.084	4
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	(0.084	4
Flexible with ferrule	mm²	C).22.	5
Ferrule with plastic collar	mm²	C).22.	5
Stripping length	mm		7	
Screwdriver blade	mm	0	.6 x 3.	5
According to norm		D	IN 526	64
Tightening torque range	Nm	C	.40.	5
Rated current, max.	Α	29		25
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²		2.5	
Overvoltage category		III	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	400	500	630
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		В	С	D
Rated voltage	V	600	600	600
Rated current	Α	20	20	5
AWG conductor	AWG		28-12	
CSA (Use Group)		В	С	D
Rated voltage	V	600		600
Rated current	Α	18.5	18.5	5
AWG conductor	AWG		28-12	
General data				
Type of insulation material			PBT	
Flammability class UL 94			V-0	
Contact base material		Copper alloy		
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet $\emptyset = D$	mm			
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.			
	Order No.		
BLZ/SL KO OR	1573010000		
BLZ/SL KO SW	1545710000		
SD 0,6x3,5x100	9008330000		
SDI 0,6x3,5x100	9008390000		
	BLZ/SL KO OR BLZ/SL KO SW SD 0,6x3,5x100		

oolder pill	iengui			
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1173490000
3	15.24	0.600	50	1173500000
4	22.86	0.900	50	1173520000



BLZ 7.62IT/../180MF3

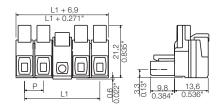
BLZ 7.62IT/../180MF4

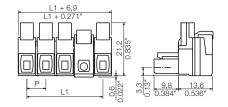




Dimensioned drawing

Dimensioned drawing



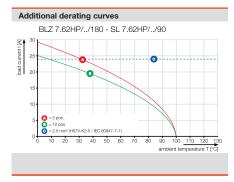


Ordering data

Solder pir	n length			
Colour				black
Pitch	7.62 mm	1		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1173510000

Ordering data

Solder pin	length			
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
4	22.86	0.900	50	1173530000



F

SV 7.62IT/../90MF



Male header in 90° outlet direction with a leading PE contact for IT networks. UL approval according to UL840 for 600 V. Used together with a BVZ 7.62 IT female plug. It complies with the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1. When no female plug is present, the mating profile ensures at least 1 mm of finger protection with a test finger pressure of 20 N

The middle solder flange interlock feature decreases the space required by one pole when compared to other solutions.

Available on request with screw flange mounting block or without flange.

Product data

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

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

Note

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

SV 7.62IT/../90MF2



Technical data

In compliance with IEC 60664	-1 / IEC (61984		
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
CSA (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	lloy
Material of contact surface			tinned	
Pin dimensions = d	mm	0	.8 x 1.	0
Solder eyelet $\emptyset = D$	mm		1.3	

Accessories

Note: Refer to	the Accessories chapter for additional	accessories.
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
-		
Mounting f	oot	
	BV/SV7.62HP MOFU GR	1937600000

Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	78	1156540000
3	22.86	0.900	60	1156550000
4	30.48	1.200	48	1156580000

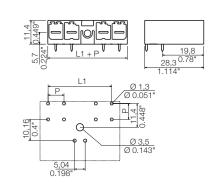
SV 7.62IT/../90MF3

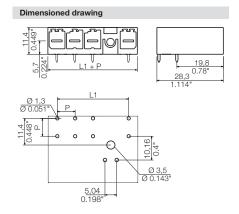
SV 7.62IT/../90MF4





Dimensioned drawing





Ordering data

Solder pir	ı length			3.5 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	20.06	0.000	60	1156570000

Solder pin	length			3.5 mm
Colour				black
Pitch	7.62 mm	1		
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	1156590000

SV 7.62IT/../270MF



Male header in 270° outlet direction with a leading PE contact for IT networks. UL approval according to UL840 for 600 V. Used together with a BLZ 7.62 IT female plug. It complies with the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1. When no female header is present, the mating profile ensures at least 1 mm of finger protection with a test finger pressure of 20 N.

The middle solder flange interlock feature decreases the space required by one pole when compared to other solutions.

Available on request with screw flange mounting block or without flange.

Product data

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

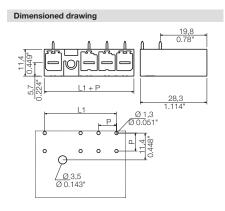
For additional articles and information, refer to catalog.weidmueller.com

Note

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

SV 7.62IT/../270MF2





Technical data

In compliance with IEC 60664	1 / 150 /	24004		
In compliance with IEC 60664-		01984		
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm²			
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
AWG conductor CSA (Use Group)	AWG	В	- C	D
7111 41 0011440101	AWG V	B 300		D
CSA (Use Group)			С	
CSA (Use Group) Rated voltage	٧	300	C 300	600
CSA (Use Group) Rated voltage Rated current	V	300	C 300	600
CSA (Use Group) Rated voltage Rated current AWG conductor	V	300 35	C 300	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data	V	300 35	C 300 35	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material	V	300 35	C 300 35 - PA GF	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	300 35	C 300 35 - PA GF V-0	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	300 35	C 300 35 - PA GF V-0	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface	V A AWG	300 35	C 300 35 - PA GF V-0 pper a	600 5

Accessories

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
*		
Mounting for	ot	
	BV/SV7.62HP MOFU GR	1937600000

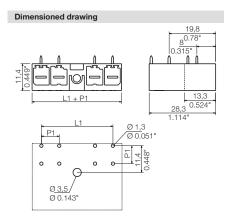
Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	50	1156490000
3	22.86	0.900	50	1156500000
4	30.48	1.200	50	1156520000

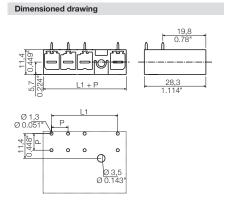
SV 7.62IT/../270MF3

SV 7.62IT/../270MF4









Ordering data

Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	20.06	0.000	50	1156510000

Solder pir	length			3.5 mm
Colour				black
Pitch	7.62 mm	1		
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	50	1156530000

BVZ 7.62IT/../180MF



Female plug in 180° outlet direction for IT networks. Fulfils the requirements of UL1059 for 600 V Use Group C. With leading PE contact when used with SV 7.62IT male header. Fulfils the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1.

The middle flange interlocks automatically and is optionally available with screw connection. It decreases the space required by one pole when compared to other solutions.

Available optionally without middle flange interlock.

Product data

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

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

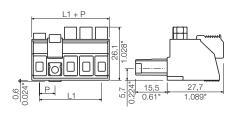
Note:

- · Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BVZ 7.62IT/../180MF2



Dimensioned drawing



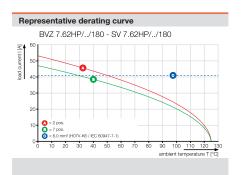
Technical data

In compliance with IEC 60664	4-1 / IEC (61984		
Clamping range, max.	mm²		0.26	3
Solid core H05(07) V-U	mm²		0.26	;
Stranded H07 V-R				
Flexible H05(07) V-K	mm²		0.56	3
Flexible with ferrule	mm²		0.25(6
Ferrule with plastic collar	mm²		0.25(6
Stripping length	mm		12	
Screwdriver blade	mm	().8 x 4.	.5
According to norm		DI	N 5264	1-A
Tightening torque range	Nm	(0.50.	6
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		6	
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		B C D		D
Rated voltage	V	600	600	600
Rated current	Α	35	35	5
AWG conductor	AWG		24-10)
CSA (Use Group)		В	С	D
Rated voltage	V	600	600	600
Rated current	Α	35	35	5
AWG conductor	AWG		24-10	
General data				
Type of insulation material			PA GF	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	,
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet $\emptyset = D$	mm			
Solder eyelet Ø tolerance	mm			

Accessories

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
-		
-		
Strain relie	ef	
	BV/SV 7.62HP/02 ZE GR	1937550000
100	BV/SV 7.62HP/04 ZE GR	1937560000
Screwdrive	er	
A	SD 0,8x4,5x125	9009020000
-		
/ =		
Crosshead	l screwdriver	
A	SDK PH1	9008480000
0		

oolder pii	riengui			
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1156710000
3	15.24	0.600	50	1156720000
4	22.86	0.900	50	1156740000



BVZ 7.62IT/../180MF3

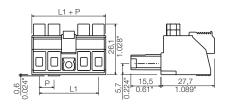
BVZ 7.62IT/../180MF4

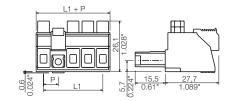




Dimensioned drawing

Dimensioned drawing

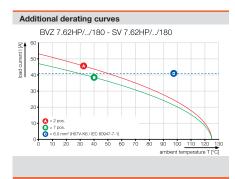




Ordering data

Solder pin	length			
Colour				black
Pitch	7.62 mm	1		
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1156730000

Solder pin	length			
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
4	22.86	0.900	50	1156750000



SU 10.16IT/../90MF



Male header in 90 ° outlet direction with a leading PE contact for IT networks. UL approval according to UL840 for 600 V. Used together with a BUZ 10.16 IT female plug. It complies with the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1. When no female plug is present, the mating profile ensures at least 1 mm of finger protection with a test finger pressure of 20 N.

The middle flange interlock feature decreases the space required by one pole when compared to other solutions.

Available on request with screw flange mounting block or without flange.

Technical data

Product data

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

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

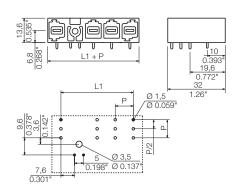
Note

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

SU 10.16IT/../90MF2



Dimensioned drawing



Accessories

		Coding
		*
	72	
	40°C	
	Ш	
	2	
)	1000	
	6	
	D	
	600	
	5	
	D	
	000	

Ordering data

Solder pin	length			3.5 mm
Colour				black
Pitch	10.16 n	nm		
Pol.	L1	(inch)	Qty.	Order No.
2	20.32	0.800	60	1156650000
3	30.48	1.200	42	1156670000
4	40.64	1.600	36	1156690000

Note: Refer to the Accessories chapter for additional accessories.

KO BV/SV7.62

1824410000

In compliance with IEC 60664	-1 / IEC (61984			
Clamping range, max.	mm ²				
Solid core H05(07) V-U	mm²				
Stranded H07 V-R					
Flexible H05(07) V-K	mm ²				
Flexible with ferrule	mm ²				
Ferrule with plastic collar	mm ²				
Stripping length	mm				
Screwdriver blade	mm				
According to norm					
Tightening torque range	Nm				
Rated current, max.	Α	76		72	
At ambient temperature		20°C		40°C	
For conductor cross-section	mm ²				
Overvoltage category		Ш	Ш	Ш	
Pollution severity		3	2	2	
Rated voltage	V	690	1000	1000	
Rated impulse voltage	kV	8	8	6	
UL / CUL (Use Group)		В	С	D	
Rated voltage	V	300	300	600	
Rated current	Α	54	54	5	
AWG conductor	AWG		-		
CSA (Use Group)		В	С	D	
Rated voltage	V	300	300	600	
Rated current	Α	54	54	5	
AWG conductor	AWG		-		
General data					
Type of insulation material		F	PBT GI	=	
Flammability class UL 94			V-0		
Contact base material		Co	pper a	lloy	
Material of contact surface			tinned		
Pin dimensions = d	mm	1	.2 x 1.	1	
Solder eyelet $\emptyset = D$	mm		1.6		

SU 10.16IT/../90MF3

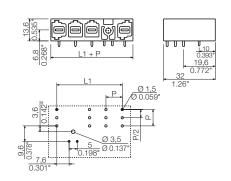
SU 10.16IT/../90MF4





Dimensioned drawing





Ordering data

Solder pir	n length			3.5 mm
Colour				black
Pitch	10.16 m	ım		
Pol.	L1	(inch)	Qty.	Order No.
-2	20.49	1 200	40	1156600000

Solder pir	length			3.5 mm
Colour				black
Pitch	10.16 m	ım		
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	36	1156700000

SU 10.16IT/../270MF



Male header in 270° outlet direction with a leading PE contact for IT networks. UL approval according to UL840 for 600 V. Used together with a BUZ 10.16 IT female plug. It complies with the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1. When no female plug is present, the mating profile ensures at least 1 mm of finger protection with a test finger pressure of 20 N.

The middle flange interlock feature decreases the space required by one pole when compared to other solutions.

Available on request with screw flange mounting block or without flange.

Product data

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

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

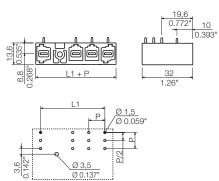
Note

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

SU 10.16IT/../270MF2



Dimensioned drawing



Technical data Acce

In compliance with IEC 60664-	1 / IEC (61984		
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	76		72
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	690	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	54	54	5
AWG conductor	AWG		-	
AWG conductor CSA (Use Group)	AWG	В	- C	D
7117 4 0011440101	AWG V	B 300		D 600
CSA (Use Group)			С	
CSA (Use Group) Rated voltage	V	300	C 300	600
CSA (Use Group) Rated voltage Rated current	V	300	C 300	600
CSA (Use Group) Rated voltage Rated current AWG conductor	V	300 54	C 300	600
CSA (Use Group) Rated voltage Rated current AWG conductor General data	V	300 54	C 300 54	600
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material	V	300 54	C 300 54 -	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	300 54	C 300 54 - PBT GI V-0	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	300 54	C 300 54 - PBT GI V-0 pper a	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface	V A AWG	300 54	C 300 54 - PBT GI V-0 pper a tinned	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface Pin dimensions = d	V A AWG	300 54	C 300 54 - PBT GI V-0 pper a tinned .2 x 1.	600 5

Accessories

Note: Refer to the Ad	ccessories chapter for additional	accessories.
Coding		Order No.
	KO BV/SV7.62	1824410000
-		

Ordering data

Solder pin	length			3.5 mm
Colour				black
Pitch	10.16 n	nm		
Pol.	L1	(inch)	Qty.	Order No.
2	20.32	0.800	50	1157310000
3	30.48	1.200	50	1157320000
4	40.64	1.600	50	1157340000

F.20

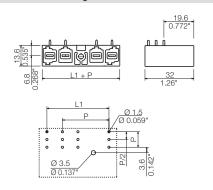
SU 10.16IT/../270MF3

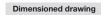
SU 10.16IT/../270MF4

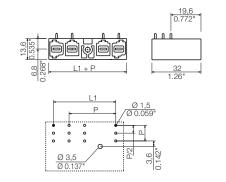




Dimensioned drawing







Ordering data

Solder pir	n length			3.5 mm
Colour				black
Pitch	10.16 m	nm		
Pol.	L1	(inch)	Qty.	Order No.
0	20.40	1 200	50	1157220000

Solder pir	ı length			3.5 mm
Colour				black
Pitch	10.16 m	ım		
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	50	1157350000

BUZ 10.16IT/../180MF



Female plug in 180° outlet direction for IT networks. Fulfils the requirements of UL1059 for 600 V Use Group C. With leading PE contact when used with SU 10.16IT male header. Fulfils the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1.

The middle flange interlocks automatically and is optionally available with screw connection. It decreases the space required by one pole when compared to other solutions.

Available optionally without middle flange interlock.

Product data

IEC: 1000 V / 78 A / 0.2 - 16 mm² UL: 300 V / 54 A / AWG 22 - 6

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

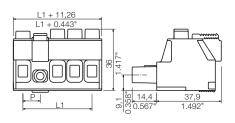
Note:

- · Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BUZ 10.16IT/../180MF2



Dimensioned drawing



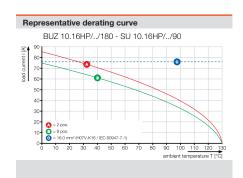
Technical data

In compliance with IEC 60664	-1 / IEC (61984		
Clamping range, max.	mm²	(0.216	3
Solid core H05(07) V-U	mm²	(0.216	6
Stranded H07 V-R			616	
Flexible H05(07) V-K	mm²	(0.516	3
Flexible with ferrule	mm ²	0	.251	6
Ferrule with plastic collar	mm²	0	.251	0
Stripping length	mm		12	
Screwdriver blade	mm	1	.0 x 5.	5
According to norm		D	IN 526	64
Tightening torque range	Nm	1	.21.	5
Rated current, max.	Α	78		72
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		16	
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	1000	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	600	600
Rated current	Α	54	54	5
AWG conductor	AWG			
	AWG		22-6	
CSA (Use Group)	AWG	В	22-6 C	D
CSA (Use Group) Rated voltage	AWG	B 300		D
Rated voltage Rated current	V		С	
Rated voltage	V	300	C 600	600
Rated voltage Rated current AWG conductor General data	V	300	C 600 54	600
Rated voltage Rated current AWG conductor	V	300	C 600 54 22-6	600
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	300	C 600 54 22-6	600 5
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	300 54	C 600 54 22-6 PA GF V-0	600 5
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	300 54	C 600 54 22-6 PA GF V-0	600 5
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	300 54	C 600 54 22-6 PA GF V-0	600 5
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface	V A AWG	300 54	C 600 54 22-6 PA GF V-0	600 5

Accessories

Coding		Order No.
	KO BV/SV7.62	182441000
-		
Screwdriver		
P	SDI 1,0x5,5x125	9008410000
∕ =		
Crosshead scr	ewdriver	
B	SDIK PZ2	900889000
100	SDK PZ2	9008540000
/ 0		

Solder pir	n length			
Colour				black
Pitch	10.16 m	ım		
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	50	1156600000
3	20.32	0.800	50	1156610000
4	30.48	1.200	50	1156630000



BUZ 10.16IT/../180MF3

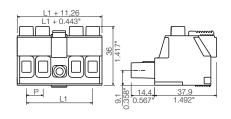
BUZ 10.16IT/../180MF4

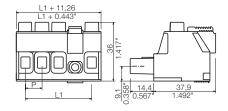




Dimensioned drawing

Dimensioned drawing

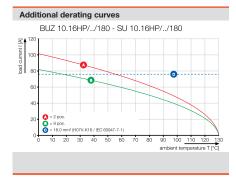




Ordering data

Solder pir	n length			
Colour				black
Pitch	10.16 m	ım		
Pol.	L1	(inch)	Qty.	Order No.
3	20.32	0.800	50	1156620000

Solder pin length							
Colour				black			
Pitch	10.16 r	nm					
Pol.	L1	(inch)	Qty.	Order No.			
4	30.48	1.200	50	1156640000			



OMNIMATE Power BL/SL 7.62HP – the 12 kVA power class Custom-fit solutions for compact devices

Compact power for more safety and efficiency: The compact class in the OMNIMATE Power BL/SL 7.62HP power connector series integrates previously-conflicting market requirements to provide a custom-fit solution for drive applications.

This closes the gap between increasing miniaturisation and unlimited 600-V UL approval. The system extension to the 12 kVA power class enables a touch-safe, inverted motor connection with one-handed safety interlock. The PUSH IN connection system also provides a quick and reliable wire connection. Double-sided touch protection guarantees full protection even with inverse voltages. Thus even OMNIMATE Power's compact class is qualified for use with the DC link bus.



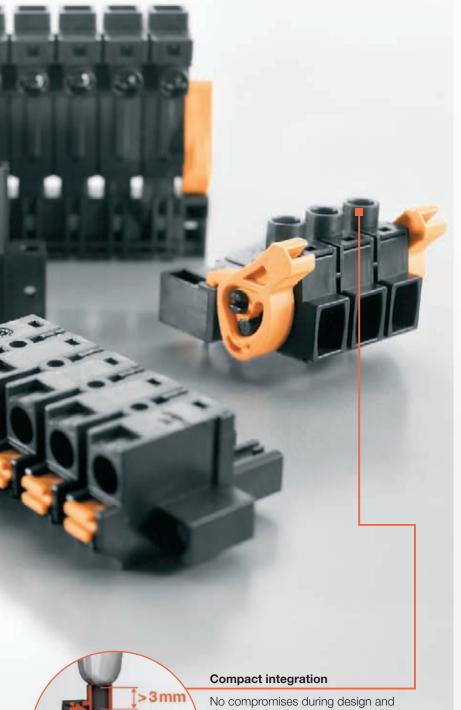
Compact safety

No additional measures required for DC links or inverse voltage: the inverted versions have finger-safe male header and female header even when not plugged in.



Compact reliability

Maintenance-free and vibration-proof connections: quick and simple PUSH IN connections, or the self-fastening Weidmüller steel clamp with plus/minus screw and WIRE GUARD.



approval: compact and standardcompliant with additional + 3.0 mm

5-1, and increased creepage and

finger safety, according to IEC 61800-

clearance distances according to UL.

Compact system power



An overview of OMNIMATE Power's 12 kVA class: The compact system with either standard or inverted mating profile, with screw or PUSH IN wire connection; optionally with lock & release lever, screw flange or one-handed safety interlock.

Unrivalled current-carrying capacity

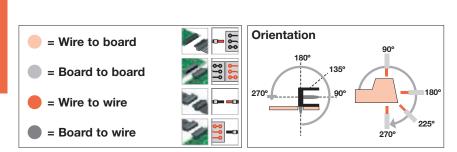


The highest load capacity in the 12 kVA compact class: with up to 29 A current-carrying capacity at 1.000 V (IEC) with a 4 mm² wire cross-section or 18.5 A at 600 V according to UL.

Individualised configuration



Standard + Services = custom design with simple configuration across the entire range of services: features include colour coding, application-oriented labelling and custom modifications or design. More information can be found in the "Services & Support" brochure (order number 1077670000) or at www.galaxy.weidmueller.com





			Туре				SL	SL	
			·	Orientation		90°	180°		
					Flange opt	ions	G/F/LF	G/F/LF	
						Page	F.28	F.30	
Female plug	Screw Clamping yoke	A STATE OF THE PARTY OF THE PAR	BLZ	180°	(G)/LR	F.36	•	•	
	Spring PUSH IN	aure)	BLF	180°	(G)/F/LR	F.38	•	•	
header	Solder connection		BLL	90°	(G)/F/LF	F.40			
Female header			BLL	180°	(G)/F/LF	F.42			

Female plug and header:
(G) = Closed (without flange)
F = Screw flange with screw
LR = Lock & Release lever

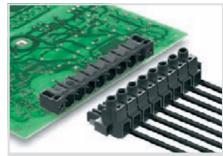
Male header and plug:
G = Closed (without flange)
F = Screw flange with nut
LF = Solder flange with nut

Femal	e plug
Screw Clamping yokel	Spring PUSH IN
1	



SLZ	SLF
180°	180°
G/F/LR	G/F/LR
F.32	F.34
_	

SL 7.62HP/../90



Male header in 90° outlet direction. The compact and efficient solution for UL-600 V applications in the lower power range meets in conjunction with a female plug, the 600 V requirements for UL508 / UL840 and the increased need for touch-safe protection according to IEC 68100-5-1.

• Available with screw flange (F) and a solder flange (SF).

Product data

IEC: 630 V / 26 A UL: 300 V / 20 A

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

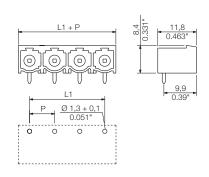
Note:

- · Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 7.62HP/../90G



Dimensioned drawing



Technical data

In compliance with IEC 60664		61984		
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	29		25
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		III	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	400	500	630
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	20	20	5
AWG conductor	AWG		-	
CSA (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	lloy
Material of contact surface			tinned	
Pin dimensions = d	mm	1	.0 x 1	.0
Solder eyelet $\emptyset = D$	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the	Accessories chapter for additional	accessories.
Coding		Order No.
	BLZ/SL KO OR	1573010000
1	BLZ/SL KO SW	1545710000
-		

Solder pir	n length			3.2 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1026760000
3	15.24	0.600	100	1026770000
4	22.86	0.900	100	1026780000
5	30.48	1.200	50	1026790000
6	38.10	1.500	50	1059490000
7	45.72	1.800	50	1059500000
8	53.34	2.100	50	1059510000
9	60.96	2.400	50	1059520000
10	68.58	2.700	50	1059530000
11	76.20	3.000	50	1059550000
12	83.82	3.300	50	1059570000

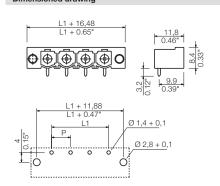
SL 7.62HP/../90F

SL 7.62HP/../90LF

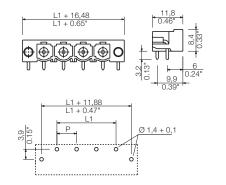




Dimensioned drawing







Ordering data

	5			
Solder pir	n length			3.2 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1026850000
3	15.24	0.600	100	1026860000
4	22.86	0.900	100	1026870000
5	30.48	1.200	50	1026880000
6	38.10	1.500	50	1124250000
7	45.72	1.800	50	1124270000
8	53.34	2.100	50	1124280000
9	60.96	2.400	50	1124290000
10	68.58	2.700	50	1124300000
11	76.20	3.000	50	1124310000
12	83.82	3.300	50	1124320000

Solder pir	n length			3.2 mm
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1095920000
3	15.24	0.600	100	1095930000
4	22.86	0.900	100	1095940000
5	30.48	1.200	50	1095950000
6	38.10	1.500	50	1095960000
7	45.72	1.800	50	1095970000
8	53.34	2.100	50	1095980000
9	60.96	2.400	50	1095990000
10	68.58	2.700	50	1096000000
11	76.20	3.000	50	1096010000
12	83.82	3.300	50	1096020000

SL 7.62HP/../180



Male header in 180° outlet direction. The compact and efficient solution for UL-600 V applications in the lower power range meets in conjunction with a female plug, the 600 V requirements for UL508 / UL840 and the increased need for touch-safe protection according to IEC 68100-5-1.

• Available with screw flange (F) and a solder flange (SF).

Product data

IEC: 630 V / 26 A UL: 300 V / 20 A

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

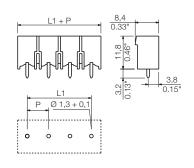
Note:

- · Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 7.62HP/../180G



Dimensioned drawing



Technical data

In a small and a smith IEO 0000	4 (150)	24004		
In compliance with IEC 60664		01984		_
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	29		25
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	400	500	630
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	20	20	5
AWG conductor	AWG		-	
CSA (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	lloy
Material of contact surface			tinned	
Pin dimensions = d	mm	1	.0 x 1.	.0
Solder eyelet $\emptyset = D$	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the	Accessories chapter for additional	accessories.
Coding		Order No.
	BLZ/SL KO OR	1573010000
1	BLZ/SL KO SW	1545710000
-		

Solder pin	length			3.2 mm
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1122550000
3	15.24	0.600	100	1122570000
4	22.86	0.900	100	1122580000
5	30.48	1.200	50	1048980000
6	38.10	1.500	50	1048990000
7	45.72	1.800	50	1122590000
8	53.34	2.100	50	1049000000
9	60.96	2.400	50	1122600000
10	68.58	2.700	50	1122610000
11	76.20	3.000	50	1122640000
12	83.82	3.300	50	1122650000

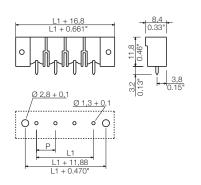
SL 7.62HP/../180F

SL 7.62HP/../180LF

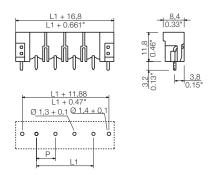




Dimensioned drawing





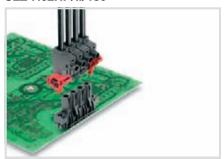


Ordering data

Solder pir	n length			3.2 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1140870000
3	15.24	0.600	100	1140880000
4	22.86	0.900	100	1140890000
5	30.48	1.200	50	1140900000
6	38.10	1.500	50	1140910000
7	45.72	1.800	50	1140920000
8	53.34	2.100	50	1140930000
9	60.96	2.400	50	1140940000
10	68.58	2.700	50	1140950000
11	76.20	3.000	50	1140960000
12	83.82	3.300	50	1140970000

Solder pi	n length			3.2 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1141090000
3	15.24	0.600	100	1141100000
4	22.86	0.900	100	1141110000
5	30.48	1.200	50	1141120000
6	38.10	1.500	50	1141130000
7	45.72	1.800	50	1141140000
8	53.34	2.100	50	1141150000
9	60.96	2.400	50	1141160000
10	68.58	2.700	50	1141170000
11	76.20	3.000	50	1141180000
12	83.82	3.300	50	1141190000

SLZ 7.62HP/../180



Male plug with clamping-yoke screw connection in 180° outlet direction. Also perfect for finger-safe solutions involving inverse voltages. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC(S) systems.

• Available with screw flange (F) and lock and release-levers (LR).

Product data

IEC: 1000 V / 20 A / 0.5 - 2.5 mm² UL: 600 V / 16 A / AWG 20 - 12

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

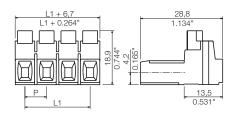
Note:

- · Additional colours on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLZ 7.62HP/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-	1 / IEC (61984		
Clamping range, max.	mm ²	0	.082	.5
Solid core H05(07) V-U	mm²	().52.	5
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	().52.	5
Flexible with ferrule	mm²	().52.	5
Ferrule with plastic collar	mm²	().51.	5
Stripping length	mm		8	
Screwdriver blade	mm	C).6 x 3.	5
According to norm			IN 526	64
Tightening torque range	Nm	(0.40.	5
Rated current, max.	Α	20		17.5
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		2.5	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	630	1000	1000
Rated impulse voltage	kV	6	8	6
UL / CUL (Use Group)		B C D		D
Rated voltage	V	600	600	600
Rated current	Α	16	16	5
AWG conductor	AWG		20-12	
CSA (Use Group)		В	С	D
Rated voltage	V	600	600	600
Rated current	Α	16	16	5
AWG conductor	AWG		20-12	
General data				
Type of insulation material			PBT	
Flammability class UL 94			V-0	
Contact base material		Copper alloy		
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet $\emptyset = D$	mm			
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.				
Screwdriver		Order No.		
	SD 0,6x3,5x100	9008330000		
1	SDI 0,6x3,5x100	9008390000		
/				

Ordering data

Solder pin	length			
Colour				black
Pitch	7.62 mm	ı		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	126	1043350000
3	15.24	0.600	84	1043360000
4	22.86	0.900	60	1043370000
5	30.48	1.200	48	1043380000

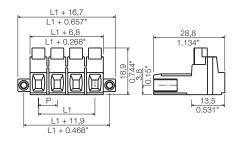
Representative derating curve BLL 7.62HP/../90 - SLZ 7.62HP/../180 17.5 15.0 12.5 0 - 5 pos. 2.5 0 - 5 pos. 2

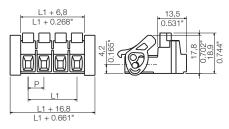




Dimensioned drawing

Dimensioned drawing



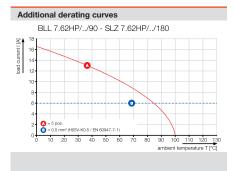


Ordering data

Solder pi	n length			
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1043430000
3	15.24	0.600	54	1043440000
4	22.86	0.900	42	1043450000
5	30.48	1.200	36	1043460000

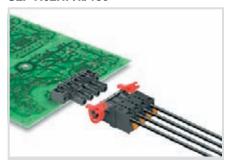
Ordering data

Solder pin length						
Colour				black		
Pitch	7.62 mm	1				
Pol.	L1	(inch)	Qty.	Order No.		
2	7.62	0.300	72	1043510000		
3	15.24	0.600	54	1043520000		
4	22.86	0.900	42	1043530000		
5	30.48	1.200	36	1043540000		



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SLF 7.62HP/../180



Female plug with PUSH IN spring connection in 180° outlet direction. Also perfect for fingersafe solutions involving inverse voltages. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC systems.

• Available with screw flange (F) and lock and release-levers (LR).

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm² UL: 600 V / 16 A / AWG 20 - 12

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

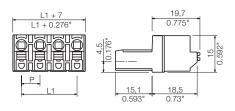
Note:

- · Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLF 7.62HP/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664	-1 / IEC (31984		
Clamping range, max.	mm²	0	.082	.5
Solid core H05(07) V-U	mm²	().52.	5
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	().52.	5
Flexible with ferrule	mm²	().51.	5
Ferrule with plastic collar	mm²	().51.	5
Stripping length	mm		10	
Screwdriver blade	mm	C).6 x 3.	5
According to norm		С	IN 526	64
Tightening torque range	Nm			
Rated current, max.	Α	24		23.8
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		2.5	
Overvoltage category		Ш	III	Ш
Pollution severity		3	2	2
Rated voltage	V	630	1000	1000
Rated impulse voltage	kV	6	8	6
UL / CUL (Use Group)	B C D		D	
Rated voltage	V	V 600 600 600		600
Rated current	Α	16	16	5
AWG conductor				
	AWG		20-12	
CSA (Use Group)	AWG	В	20-12 C	D
	AWG V	B 600		
CSA (Use Group) Rated voltage Rated current	V		С	D
CSA (Use Group) Rated voltage	٧	600	C	D 600
CSA (Use Group) Rated voltage Rated current	V	600	C 600	D 600
CSA (Use Group) Rated voltage Rated current AWG conductor	V	600	C 600	D 600
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	600	600 16 20-12	D 600
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	600	C 600 16 20-12 PBT V-0	D 600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	600	C 600 16 20-12 PBT V-0	D 600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	600	C 600 16 20-12 PBT V-0	D 600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface	V A AWG	600	C 600 16 20-12 PBT V-0	D 600 5

Accessories

Note: Refer to the Accessories chapter for additional accessories.				
Screwdriver		Order No.		
	SD 0,6x3,5x100	9008330000		
	SDI 0,6x3,5x100	9008390000		
/				

Ordering data

Solder pin length							
Colour				black			
Pitch	7.62 mm						
Pol.	L1	(inch)	Qty.	Order No.			
2	7.62	0.300	126	1043590000			
3	15.24	0.600	84	1043600000			
4	22.86	0.900	60	1043610000			
5	30.48	1.200	48	1043620000			

SLF 7.62HP/../180F

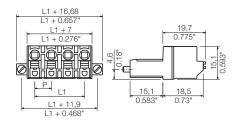
SLF 7.62HP/../180LR

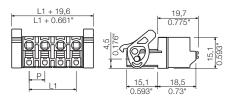




Dimensioned drawing

Dimensioned drawing

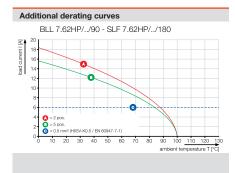




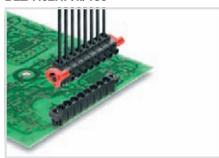
Ordering data

Solder pin length						
Colour				black		
Pitch						
Pol.	L1	(inch)	Qty.	Order No.		
2	7.62	0.300	72	1043670000		
3	15.24	0.600	54	1043680000		
4	22.86	0.900	42	1043690000		
5	30.48	1.200	36	1043700000		

Solder pin length						
Colour				black		
Pitch	7.62 mm	1				
Pol.	L1	(inch)	Qty.	Order No.		
2	7.62	0.300	72	1043750000		
3	15.24	0.600	54	1043760000		
4	22.86	0.900	42	1043770000		
5	30.48	1.200	36	1043780000		



BLZ 7.62HP/../180



Female plug with clamping-yoke screw connection in 180° outlet direction. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC(S) systems.

 Available with lock and release-levers (LR) and screw flange on request.

Product data

IEC: 630 V / 29 A / 0.08 - 4 mm² UL: 600 V / 20 A / AWG 28 - 12

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

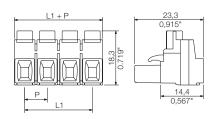
Note:

- · Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZ 7.62HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664	1-1 / IEC (61984		
Clamping range, max.	mm ²	(0.084	4
Solid core H05(07) V-U	mm²	(0.084	4
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	(0.084	4
Flexible with ferrule	mm ²	C).22.	5
Ferrule with plastic collar	mm²	().22.	5
Stripping length	mm		7	
Screwdriver blade	mm	C	.6 x 3.	5
According to norm		D	IN 526	64
Tightening torque range	Nm	(0.40.	5
Rated current, max.	Α	29		25
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		2.5	
Overvoltage category		Ш	Ш	II
Pollution severity		3	2	2
Rated voltage	V	400	500	630
Rated impulse voltage	kV	6 6 4		4
UL / CUL (Use Group)		B C D		D
Rated voltage	V	600	600	600
Rated current	Α	20	20	5
AWG conductor	AWG		28-12	
CSA (Use Group)		В	С	D
Rated voltage	V	600	600	600
Rated current	Α	18.5	18.5	5
AWG conductor	AWG		28-12	
General data				
Type of insulation material			PBT	
Flammability class UL 94		V-0		
Contact base material		Copper alloy		lloy
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet $\emptyset = D$	mm			
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.				
Coding		Order No.		
	BLZ/SL KO OR	1573010000		
1	BLZ/SL KO SW	1545710000		
Screwdriver				
	SD 0,6x3,5x100	9008330000		
/	SDI 0,6x3,5x100	9008390000		

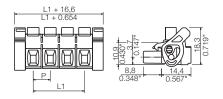
Ordering data

Solder pil	riengui			
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1059580000
3	15.24	0.600	100	1059590000
4	22.86	0.900	100	1059600000
5	30.48	1.200	50	1049010000
6	38.10	1.500	50	1049020000
7	45.72	1.800	50	1059610000
8	53.34	2.100	50	1049030000
9	60.96	2.400	50	1059620000
10	68.58	2.700	50	1059630000
11	76.20	3.000	50	1059640000
12	83.82	3.300	50	1059670000

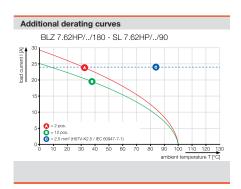
BLZ 7.62HP/../180LR



Dimensioned drawing



Solder pir	ı length			
Colour				black
Pitch	7.62 mm	1		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	1093430000
3	15.24	0.600	45	1093440000
4	22.86	0.900	35	1093450000
5	30.48	1.200	30	1093460000
6	38.10	1.500	25	1164960000
7	45.72	1.800	20	1164970000
8	53.34	2.100	20	1164980000
9	60.96	2.400	15	1164990000
10	68.58	2.700	15	1165000000
11	76.20	3.000	15	1165010000
12	83.82	3.300	15	1165020000



BLF 7.62HP/../180



Female plug with PUSH IN spring connection in 180 $^{\circ}$ outlet direction. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC(S) systems.

• Available with screw flange (F) and lock and release-levers (LR).

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm² UL: 600 V / 16 A / AWG 20 - 12

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

Note:

- · Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

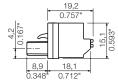
BLF 7.62HP/../180

with test point



Dimensioned drawing





Technical data

In compliance with IEC 60664	-1 / IEC (61984		
Clamping range, max.	mm ²	0	.082	.5
Solid core H05(07) V-U	mm²	(0.52.	5
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	(0.52.	5
Flexible with ferrule	mm²	(0.51.	5
Ferrule with plastic collar	mm ²	(0.51.	5
Stripping length	mm		10	
Screwdriver blade	mm	().6 x 3.	5
According to norm		П	IN 526	64
Tightening torque range	Nm			
Rated current, max.	Α	24		23.8
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²		2.5	
Overvoltage category		III	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	630	1000	1000
Rated impulse voltage	kV	6	8	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	600	600	
Rated current	Α	16	16	
AWG conductor	AWG		20-12	
CSA (Use Group)		В	С	D
Rated voltage	V	600	600	
Rated current	Α	16	16	
AWG conductor	AWG		20-12	
General data				
Type of insulation material			PBT	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	lloy
			tinned	
Material of contact surface				
Pin dimensions = d	mm			
	mm mm			

Accessories

Note: Refer to the Aco	essories chapter for additional	accessories.
Screwdriver		Order No.
0	SD 0,5x3,0x80	9008320000
-	SDI 0,5x3,0x100	9008380000
/ =		
Crimping tool		
400	PZ 6/5	9011460000
31		

oolder pii	riengui			
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	126	1043830000
3	15.24	0.600	84	1043840000
4	22.86	0.900	60	1043850000
5	30.48	1.200	48	1043860000

BLF 7.62HP/../180F

with test point



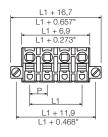
BLF 7.62HP/../180LR

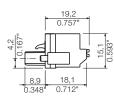
with test point



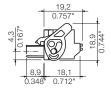
Dimensioned drawing

Dimensioned drawing









Ordering data

Solder pi	n length			
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1043910000
3	15.24	0.600	54	1043920000
4	22.86	0.900	42	1043930000
5	30.48	1.200	36	1043940000

Solder pin	length			
Colour				black
Pitch	7.62 mm	า		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1043990000
3	15.24	0.600	54	1044000000
4	22.86	0.900	42	1044010000
5	30.48	1.200	36	1044020000

BLL 7.62HP/../90



Touch-safe female header in 90° outlet direction. Meets the requirements of IEC 61800-5-1 and allows UL approval in accordance with UL508 / UL840 for 600 V. An ideal touch-safe solution for power output and DC link applications. According to IEC 61800-5-1, the mating profile ensures more than 3 mm of touch safety.

 Available with screw flange (F) and solder flange (LF).

Product data

IEC: 630 V / 24 A UL: 300 V / 15 A

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

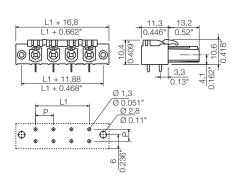
Note:

- · Additional colours on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section and min. No. of poles.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLL 7.62HP/../90G



Dimensioned drawing



Technical data

In compliance with IEC 60664	4-1 / IEC (61984		
Clamping range, max.	mm²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	24		24
At ambient temperature		20°C		40°C
For conductor cross-section	mm²			
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	400	630	630
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	150	300
Rated current	Α	15	15	10
AWG conductor	AWG		-	
CSA (Use Group)		В	С	D
Rated voltage	V	300	150	300
Rated current	Α	15	15	10
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
Flammability class UL 94			V-0	
Contact base material		Copper alloy		
Material of contact surface			tinned	
Pin dimensions = d	mm	0.	4 x 1.0	00
Solder eyelet $\emptyset = D$	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

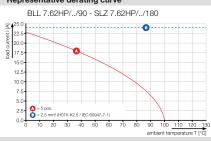
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pir	ı length			3.2 mm
Colour				black
Pitch	7.62 mm	า		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	126	1043230000
3	15.24	0.600	84	1043240000
4	22.86	0.900	60	1043250000
5	30.48	1.200	48	1043260000

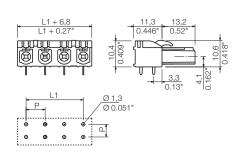
Representative derating curve



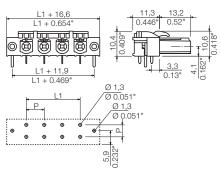




Dimensioned drawing



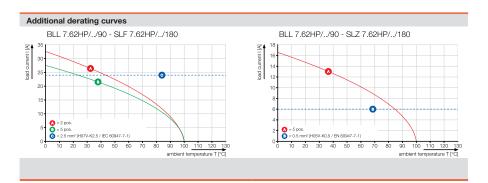




Ordering data

Solder pii	n length			3.2 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1043270000
3	15.24	0.600	54	1043280000
4	22.86	0.900	42	1043290000
5	30.48	1.200	36	1043300000

Solder pir	length			3.2 mm
Colour				black
Pitch	7.62 mm	1		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1095640000
3	15.24	0.600	54	1095650000
4	22.86	0.900	42	1095660000
5	30.48	1.200	36	1095670000



BLL 7.62HP/../180



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

 Available with screw flange (F) and solder flange (LF).

Product data

IEC: 630 V / 24 A UL: 300 V / 15 A

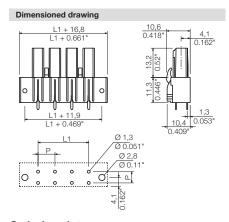
For additional articles and information, refer to catalog.weidmueller.com

Note:

- · Additional colours on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section and min. No. of poles.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLL 7.62HP/../180G





Accessories

Note: Refer to the Accessories chapter for additional accessories.

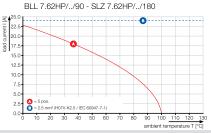
Ordering data

Solder pir	n length			3.2 mm
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	126	1122070000
3	15.24	0.600	84	1122080000
4	15.24	0.600	60	1122090000
5	30.48	1.200	48	1122100000

Technical data

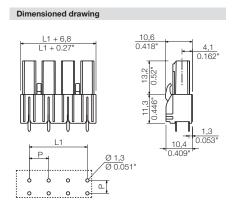
In compliance with IEC 60664	I-1 / IEC (61984		
Clamping range, max.	mm²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	24		24
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		III	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	400	630	630
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	150	300
Rated current	Α	15	15	10
AWG conductor	AWG		-	
CSA (Use Group)		В	С	D
Rated voltage	V	300	150	300
Rated current	Α	15	15	10
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	lloy
Material of contact surface			tinned	
Pin dimensions = d	mm	0.	4 x 1.0	00
Solder eyelet $\emptyset = D$	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

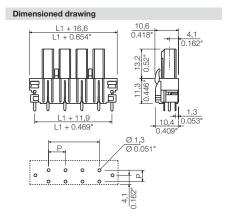
Representative derating curve BLL 7.62HP/../90 - SLZ 7.62









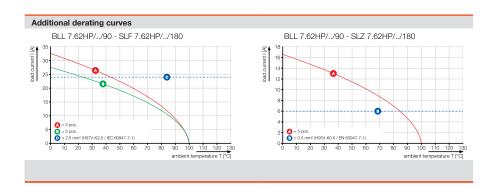


Ordering data

Solder pi	n length			3.2 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1122110000
3	15.24	0.600	54	1122120000
4	22.86	0.900	42	1122130000
5	30.48	1.200	36	1122140000

Ordering data

Solder pin length					
			black		
7.62 mm	1				
L1	(inch)	Qty.	Order No.		
7.62	0.300	72	1134080000		
15.24	0.600	54	1134090000		
22.86	0.900	42	1134110000		
30.48	1.200	36	1134120000		
	7.62 mm L1 7.62 15.24 22.86	7.62 mm L1 (inch) 7.62 0.300 15.24 0.600 22.86 0.900	7.62 mm L1 (inch) Qty. 7.62 0.300 72 15.24 0.600 54 22.86 0.900 42		



F

OMNIMATE Power BV / SV 7.62HP – the 28 kVA power class Custom-fit high-powered solutions

More power reserves for more load capacity: The OMNIMATE Power SV / BV 7.62HP mid-level class of power connection systems is the top performer of the HP series. It features a large clamping range, increased overload capacity and the widest selection of variants and accessories.

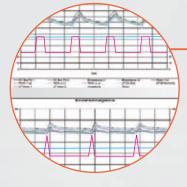


HP means High Performance – this performance covers a great deal: the full rated current up to 50 °C without derating, unlimited 600 V approval according to UL, and the additional finger safety for 400 V-TN systems (+ 3.0 mm) in compliance with the application directive IEC 61800-5-1.



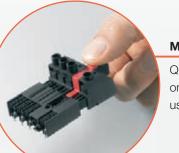
Maximum safety

Safe for both man and machine with bi-directional finger safety: also when not plugged in and covering inverse voltages from power electronics.



Maximum performance

Full current rating at 40 °C ambient temperature is a mandatory requirement in drive applications. What really makes the difference here is real-world, application-based overload and over-heating capacities.



Maximum user-friendliness

Quick, simple plug and release: with the one-handed safety flange – convenient for the user and safe for the application.





An overview of the 28-kVA class of OMNIMATE Power: The HP system has been leading the way with its tool-free rapid interlock, installation-safe creepage and clearance distances, and application-based versioning scheme. This integrated strategy of system expansion includes a one-handed safety flange and wide range of innovative extras.

Individualised configuration



Standard + Services = custom design with simple configuration across the entire range of services: features include colour coding, application-oriented labelling and custom modifications or design. More information can be found in the "Services & Support" brochure.



Maximum efficiency

Tool-free simplicity: quick PUSH IN connection mechanism and automatic, convenient snap-in with one-handed safety interlock.

OMNIMATE Power BV / SV 7.62HP Hybrid – for power, signals and EMC Three functions in one!



The OMNIMATE Power Hybrid connector provides developers and users with the perfect three-in-one solution.

The hybrid motor connector can simultaneously connect power, signals and a pluggable EMC shield. This allows you to save space on the circuit board, on the outside of the housing and in the electrical cabinet. The self-locking one-handed interlock mechanism requires only one plugging step and thus speeds up installation and maintenance procedures. It is easy to handle and interlocks automatically – even in difficult installation positions. The unique shielding shape with 30° cable entry enable a space savings of up to 10 cm between rows.



Unique safety

Safe, EMC-compliant shield connection for any application situation and with no risk of error.



Unique integration

Three-in-one solution: pluggable shield support, integrated signal contacts, and one-handed security flange.



Unique component density

More space available on the PCB providing for denser component assemblies, and more space available on the housing wall because of true-to-pitch integration of the signal contacts – while maintaining the same width!

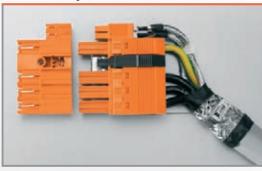
Connectors in 7.62 mm pitch - Series BV/SV 7.62 - connects up to 6 mm² Explanation



Unique interaction

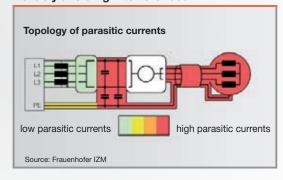
Plug & Work with intuitive handling: featuring tool-free onehanded operation with automatic snap-in and also "blind" plugging of power, signals and shielding simultaneously.



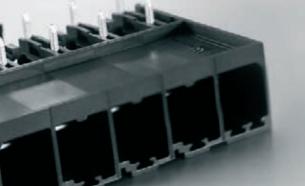


The motor feedback (signal feedback from temperature/encoder) in hybrid, shield-within-shield motor cables is usually made from over-sized power contacts or from disconnected I/O connectors. It also normally requires two separate shield connections. During installation and repairs (replacement), it is possible that the shield terminals could be incorrectly connected, left disconnected or lost. With conventional shielding, it can be quite difficult to tighten the flange screws when the connection is located at a difficult to reach location. So this step is often neglected in the real world.

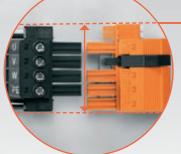
Reliably avoiding interferences



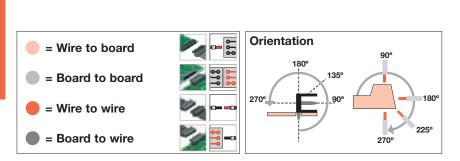
As a result, malfunctions can then be caused by the coupling of electromagnetic fields within the sensitive electronics. The pluggable, hybrid shield support features a special EMC spring-contact strip which ensures that the shield connection to the housing is permanent, vibration-proof and covers a large surface area. It allows the shielding braid from the power and signal wires to be connected separately – and enables this to be done automatically in one step so that it is not dependent on the user.



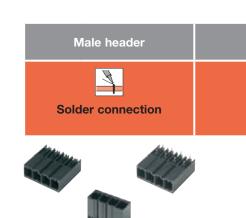
Unique innovation



Integrating functions, optimising processes, and reducing complexity: The conventional 2 outer flanges have simply been replaced by 1 middle flange, 4 signal contacts and 1 pluggable shield support.



Туре



sv

sv

				.,,,,,					0.	•	01	
				,	Orientation			90°	180°	270°		
					'	Flange optio	ns		G/F/SF/MF	G/F/SF/MF	G/F/SF/MF	
						,	Attaches	with				
							·	Page	F.50	F.52	F.56	
				BVZ	180°	(G)/F/SF	Screw	F.80				
		Clamping yoke		BVZ	180°	FC/SFC	Nut	F.81				
				BVZ	180°	SH	Screw	F.82				
ı	Female plug			BVZ	180°	SH C	Nut	F.84				
ı		Spring PUSH IN		BVF	180°	(G)/F/SF/ MF/MSF	Screw	F.86				
				BVF & BC 3.81	180°	(G)/MF		F.102				
		Solder		BVL	90°	(G)/FI/SFI	Nut	F.92				
	Female header	connection		BVL	180°	(G)/FI/SFI	Nut	F.94	•			
	Fel			BVL	270°	(G)/FI/SFI	Nut	F.96		•	•	
			Female plug and header:									

Female plug and header:

(G) = Closed (without flange)

F = Flange with clasp

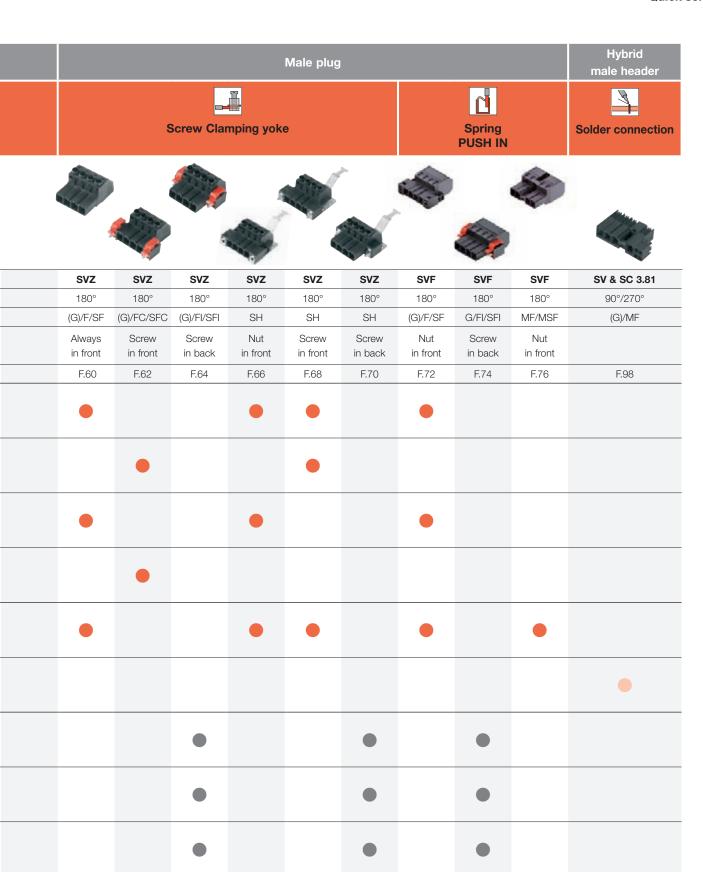
FF = Flange with clasp and additional screw

SF C = Flange for clasp with additional nut

FI = Inverted flange

SFI = Inverted flange with additional nut

FC = Flange with additional nut
SH... = Shielded flange with additional screw
SH... C = Shielded flange with additional nut
MF = Centre flange with clasp
MSF = Centre flange with clasp and additional screw



Male header and plug:
G = Closed (without flange)
F = Flange with clasp
SF = Flange with clasp and additional screw
FI = Inverted flange with clasp
SFI = Inverted flange with clasp and additional screw
FC = Flange with clasp

SFC = Flange with clasp and additional screw

SH... = Shielded flange with additional nut
SH... C = Shielded flange with additional nut
SH... I = Inverted shielded flange with additional screw
MF = Centre flange for clasp
MSF = Centre flange for clasp with additional nut

SV 7.62HP/../90



Male header in 90° outlet direction for $400\ V$ TNC (S) systems. UL approved for $600\ V$ in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.

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

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

Product data

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

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

Note

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

SV 7.62HP/../90G



Dimensioned drawing L1+P 28,3 1.114* 1.114* 0.043* 0.043* 0.0051*

Technical data

In compliance with IEC 60664-1 / IEC 61984						
•		1904				
Clamping range, max.	mm ²					
Solid core H05(07) V-U	mm²					
Stranded H07 V-R						
Flexible H05(07) V-K	mm ²					
Flexible with ferrule	mm ²					
Ferrule with plastic collar	mm ²					
Stripping length	mm					
Screwdriver blade	mm					
According to norm						
Tightening torque range	Nm					
Rated current, max.	Α	41		41		
At ambient temperature		20°C		40°C		
For conductor cross-section	mm²					
Overvoltage category		Ш	Ш	Ш		
Pollution severity		3	2	2		
Rated voltage	V	630	630	1000		
Rated impulse voltage	kV	6	6	6		
UL / CUL (Use Group)		В	С	D		
Rated voltage	V	300	300	600		
Rated current	Α	35	35	5		
AWG conductor	AWG		-			
CCA (Llos Croup)						
CSA (Use Group)		В	С	D		
Rated voltage	V	B 300	C 300	D		
	V A					
Rated voltage		300	300	600		
Rated voltage Rated current	A	300	300	600		
Rated voltage Rated current AWG conductor	A	300 35	300	600 5		
Rated voltage Rated current AWG conductor General data	A	300 35	300 35 -	600 5		
Rated voltage Rated current AWG conductor General data Type of insulation material	A	300 35	300 35 - PA GF	600 5		
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	A	300 35	300 35 - PA GF V-0	600 5		
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	A	300 35	300 35 - PA GF V-0	600 5		
Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface	A AWG	300 35	300 35 - PA GF V-0 pper a	600 5		

Accessories

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

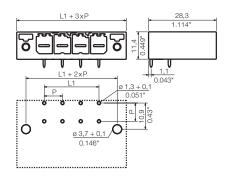
Solder pin	3.5 mm			
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1930270000
3	15.24	0.600	100	1930280000
4	22.86	0.900	100	1930290000
5	30.48	1.200	50	1930300000
6	38.10	1.500	50	1930310000
7	45.72	1.800	50	1930320000



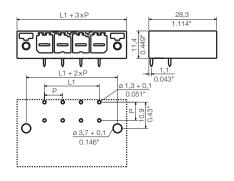




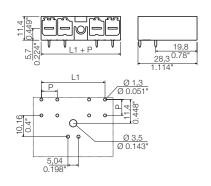
Dimensioned drawing







Dimensioned drawing



Ordering data

	5			
Solder pi	n length			3.5 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	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

Ordering data

Solder pil	i lengui			3.3 11111
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	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

Ordering data

Solder pir	ı length				3.5 mm
Colour					black
Pitch	7.62	2 mm			
Pol.		L1	(inch)	Qty.	Order No.
2	MF2	15,24	0,600	78	1048390000
3	MF2	22,86	0,900	60	1048500000
3	MF3	22,86	0,900	60	1048490000
4	MF3	30,48	1,200	48	1048570000
5	MF3	38,10	1,500	36	1048680000
5	MF4	38,10	1,500	36	1048690000
6	MF4	45,72	1,800	30	1048760000

F

SV 7.62HP/../180



Male header in 180° outlet direction for 400 V TNC (S) systems. UL approved for 600 V in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.

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

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

Product data

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

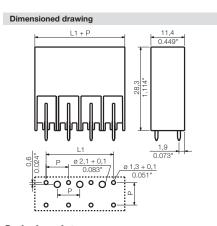
For additional articles and information, refer to catalog.weidmueller.com

Note:

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

SV 7.62HP/../180G





Technical data

recillical data				
In compliance with IEC 60664	1-1 / IEC (61984		
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		III	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
CSA (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	lloy
Material of contact surface			tinned	
Pin dimensions = d	mm	0	.8 x 1.	.0
Solder eyelet $\emptyset = D$	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the	Accessories chapter for additional	accessories.
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Protection aga	ainst twisting	
	VDS180 SV7.62	1853940000
*	VDS180 SV7.62	1853940000
*	VDS180 SV7.62	1853940000

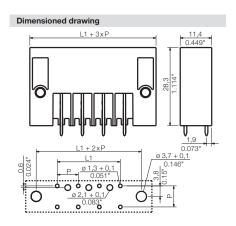
Solder pir	3.5 mm			
Colour				black
Pitch	7.62 mn	า		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1930600000
3	15.24	0.600	100	1930610000
4	22.86	0.900	100	1930620000
5	30.48	1.200	50	1930630000
6	38.10	1.500	50	1930640000
7	45.72	1.800	50	1930650000

SV 7.62HP/../180F

SV 7.62HP/../180SF







Dimensioned drawing L1 + 3xP L1 + 3xP O.449* O.449* O.449* O.073* O.073* O.0466* O.051* O.061* O.068* O.088*

Ordering data

Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	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

Solder pir	ı length			3.5 mm
Colour				black
Pitch	7.62 mn	n		
Pol.	L1	(inch)	Qty.	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

SV 7.62HP/../180MF



Male header in 180° outlet direction for 400 V TNC (S) systems. UL approved for 600 V in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, unique coding capabitlity, additional fastening mechanism, and integrated positioning.

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

Product data

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

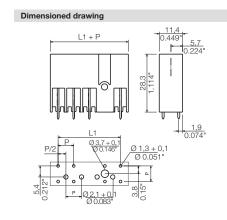
For additional articles and information, refer to catalog.weidmueller.com

Note:

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

SV 7.62HP/../180MF2





Technical data

In compliance with IEC 60664	1 / 150 /	24004		
In compliance with IEC 60664-		01984		
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm²			
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
AWG conductor CSA (Use Group)	AWG	В	- C	D
7111 41 0011440101	AWG V	B 300		D
CSA (Use Group)			С	
CSA (Use Group) Rated voltage	٧	300	C 300	600
CSA (Use Group) Rated voltage Rated current	V	300	C 300	600
CSA (Use Group) Rated voltage Rated current AWG conductor	V	300 35	C 300	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data	V	300 35	C 300 35	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material	V	300 35	C 300 35 - PA GF	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	300 35	C 300 35 - PA GF V-0	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	300 35	C 300 35 - PA GF V-0	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface	V A AWG	300 35	C 300 35 - PA GF V-0 pper a	600 5

Accessories

Note: Refer to the	Accessories chapter for additional	accessories.
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
-		
Protection aga	ainst twisting	
	VDS180 SV7.62	1853940000
-		
/		

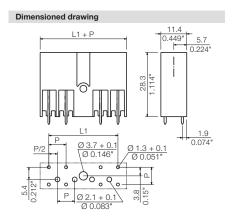
Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mm	1		
Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	78	1048350000
3	22.86	0.900	60	1048410000

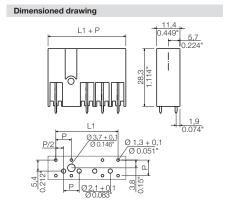
SV 7.62HP/../180MF3

SV 7.62HP/../180MF4









Ordering data

Solder pi	n length			3.5 mm
Colour				black
Pitch	7.62 mm	า		
Pol.	L1	(inch)	Qty.	Order No.
Pol. 3	22.86	(inch) 0.900	Qty. 60	Order No. 1048420000
		,		

Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	Order No.
Pol. 5	38.10	(inch) 1.500	Qty. 36	Order No. 1048600000
		,		

SV 7.62HP/../270



Male header in 270° outlet direction for 400 V TNC (S) systems. UL approved for 600 V in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.

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

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

Product data

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

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

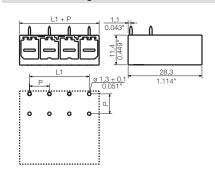
Note:

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

SV 7.62HP/../270G



Dimensioned drawing



Technical data

In compliance with IEC 60664	1 / 150 /	24004		
In compliance with IEC 60664-		01984		
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm²			
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
AWG conductor CSA (Use Group)	AWG	В	- C	D
7111 41 0011440101	AWG V	B 300		D
CSA (Use Group)			С	
CSA (Use Group) Rated voltage	٧	300	C 300	600
CSA (Use Group) Rated voltage Rated current	V	300	C 300	600
CSA (Use Group) Rated voltage Rated current AWG conductor	V	300 35	C 300	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data	V	300 35	C 300 35	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material	V	300 35	C 300 35 - PA GF	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94	V	300 35	C 300 35 - PA GF V-0	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material	V	300 35	C 300 35 - PA GF V-0	600 5
CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material Flammability class UL 94 Contact base material Material of contact surface	V A AWG	300 35	C 300 35 - PA GF V-0 pper a	600 5

Accessories

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

Solder pir	length			3.5 mm
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	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

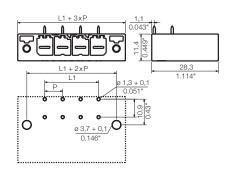
SV 7.62HP/../270F

SV 7.62HP/../270SF

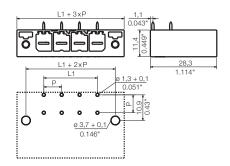




Dimensioned drawing







Ordering data

Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mn	า		
Pol.	L1	(inch)	Qty.	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

Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mr	n		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1931480000
3	15.24	0.600	100	1931490000
5	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

SV 7.62HP/../270MF



Male header in 180° outlet direction for 400 V TNC (S) systems. UL approved for 600 V in accordance with UL508 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1.

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

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

Product data

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

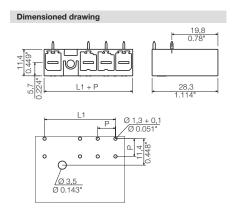
For additional articles and information, refer to catalog.weidmueller.com

Note:

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

SV 7.62HP/../270MF2





Technical data

In compliance with IEC 60664	-1 / IEC (61984		
Clamping range, max.	mm²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm²			
Overvoltage category		III	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	630	630	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		В	С	D
Rated voltage	٧	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
CSA (Use Group)		В	С	D
Rated voltage	V	300	300	600
Rated current	Α	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
Flammability class UL 94			V-0	
Contact base material		Co	pper a	lloy
Material of contact surface			tinned	
Pin dimensions = d	mm	0	.8 x 1.	.0
Solder eyelet $\emptyset = D$	mm		1.3	
			+ 0,1	

Accessories

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

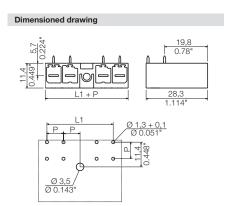
Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mn	า		
Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	78	1048370000
3	22.86	0.900	60	1048450000

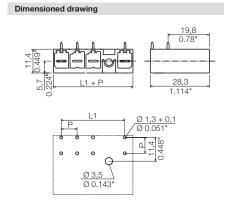
SV 7.62HP/../270MF3

SV 7.62HP/../270MF4









Ordering data

Solder pii	n length			3.5 mm
Colour				black
Pitch	7.62 mn	า		
Pol.	L1	(inch)	Qty.	Order No.
Pol. 3	22.86	(inch) 0.900	Qty. 60	Order No. 1048460000
		,		

Solder pir	n length			3.5 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
5	38.10	1.500	36	1048650000
6	45.72	1.800	30	1048740000

SVZ 7.62HP/../180



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

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

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

Product data

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

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

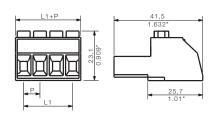
Note:

- · Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SVZ 7.62HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664	-1 / IEC (61984		
Clamping range, max.	mm²		0.26	;
Solid core H05(07) V-U	mm²	0.26		
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	0.56		
Flexible with ferrule	mm ²	0.256		
Ferrule with plastic collar	mm ²	0.256		
Stripping length	mm	12		
Screwdriver blade	mm	().8 x 4.	5
According to norm		DI	N 5264	1-A
Tightening torque range	Nm	0.50.6		6
Rated current, max.	Α	41		41
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²		6	
Overvoltage category		Ш	Ш	Ш
Pollution severity		3	2	2
Rated voltage	V	800	1000	1000
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		B C D		D
Rated voltage	V	600	600	600
Rated current	Α	35	35	5
AWG conductor	AWG		24-10	
CSA (Use Group)		В	С	D
Rated voltage	V	600	600	600
Rated current	Α	35	35	5
AWG conductor	AWG		24-10	
General data				
Type of insulation material			PA GF	
Flammability class UL 94			V-0	
Contact base material		Copper alloy		
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet $\emptyset = D$	mm			

Accessories

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

Ordering data

Solder pir	ı iengin			
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	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

#