

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

#### **Product image**















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

#### **General ordering data**

Packaging	Box
	UL: 600 V / 42 A / AWG 24 - AWG 8
Product data	IEC: 1000 V / 57 A / 0.2 - 10 mm <sup>2</sup>
Qty.	50 items
GTIN (EAN)	4032248630127
Туре	SVZ 7.62HP/03/180RSH180C SN BK BX
Order No.	<u>1951150000</u>
Version	PCB plug-in connector, male plug, 7.62 mm, Num- ber of poles: 3, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box







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# **Technical data**

A	n	n	r	o	v	a	ls

Approvals	c <b>FU</b> *us
ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate No. (cURus)	E60693

#### **Dimensions and weights**

Depth	101.1 mm	Depth (inches)	3.9803 inch
Height	25.7 mm	Height (inches)	1.0118 inch
Width	38.1 mm	Width (inches)	1.5 inch
Net weight	40.18 g		

#### **Environmental Product Compliance**

Compliant without exemption	
No SVHC above 0.1 wt%	
	and the second s

#### **System Parameters**

Product family	OMNIMATE Power - series BV/SV 7.62HP	Type of connection	Field connection
Wire connection method	Clamping yoke connection	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.300 "	Conductor outlet direction	180°
Number of poles	3	L1 in mm	15.24 mm
L1 in inches	0.600 "	Number of rows	1
Pin series quantity	1	Rated cross-section	6 mm <sup>2</sup>
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged
Protection degree	IP20	Volume resistance	4.50 mΩ
Can be coded	Yes	Stripping length	12 mm
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 3	Screwdriver blade	0.6 x 3.5
Plugging cycles	25		

#### **Material data**

Insulating material	PA GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 500	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact base material	Cu-alloy
Contact material	Cu-alloy	Contact surface	tinned
Layer structure of plug contact	46 µm Sn glossy	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	125 °C		

#### **Conductors suitable for connection**

Clamping range, min.	0.2 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
Wire connection cross section AWG,	AWG 22
min.	
Wire connection cross section AWG,	AWG 8
max.	

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Solid, min. H05(07) V-U   6 mm²   Fleeble, min. H05(07) V-V   0.5 mm²   Fleeble, min. H05(07) V-K   0.5 mm	recimioai data			
Solid_max_H05(07)V-U	Solid min HOE/O7\VII	0.2 mm²		
Flexible, mix. H05(07) V-K   0.5 mm²				
Flexible_max_H05(07)VK				
We plastic collar ferrule, DIN 46228 pt 4, 6 mm²				
min. w, plastic collar ferrule, DIN 46228 pt 1, 6 mm² max. w, wire end ferrule, DIN 46228 pt 1, 7 max. w, wire end ferrule, DIN 46228 pt 1, 8 mm² max. w, wire end ferrule, DIN 46228 pt 1, 7 max.    Clampable conductor				
Max.   Warrier and ferrule   DIN 46228 pt 1   0.25 mm²	min.			
min.   w. wire end ferrule, DIN 46228 pt 1, max.	max.			
Plug gauge in accordance with EN 60999 a x b; 9  Clampable conductor  Clampable conductor  Cross-section for conductor connection wire end ferrule  Paccommended wire end ferrule  Cross-section for conductor connection  Type  In mominal  In mr  Recommended wire- end ferrule  Cross-section for conductor connection  Type  In mominal  In mr  In mr	•	0.25 mm <sup>2</sup>		
Cross-section for conductor connection   Type   Gine-wired   nominal   0.5 mm²   Stripping length   Recommended wire-end ferrule   Stripping length   nominal   1 mm²   Nomi	•	6 mm²		
wire end ferrule  Stripping length   nominal   14 mm   Recommended wire- end ferrule  Cross-section for conductor connection   Type   fine-wired   nominal   15 mm   Recommended wire- end ferrule  Cross-section for conductor connection   Type   fine-wired   nominal   15 mm   Recommended wire- end ferrule  Cross-section for conductor connection   Type   fine-wired   Stripping length   nominal   15 mm   Recommended wire- end ferrule   Stripping length   nominal   12 mm   Recommended wire- end ferrule   Type   fine-wired   Nominal   0.75 mm²   Recommended wire- end ferrule   Stripping length   nominal   12 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length   nominal   14 mm   Recommended wire- end ferrule   Stripping length		2.8 mm x 2.0 mm; 2.4 mm		
wire end ferrule    Stripping length   nominal   14 mm   Recommended wire-   nominal   1 mm²	Clampable conductor	Cross-section for conductor connection	Туре	fine-wired
Recommended wire- and ferrule   H0.5/18 OR and ferrule   Type   fine-wired			nominal	0.5 mm <sup>2</sup>
end ferrule  Type fine-wired nominal 1 mm²  Wire end ferrule  Stripping length nominal 15 mm Recommended wireend ferrule  Type fine-wired nominal 15 mm Recommended wireend ferrule  Type fine-wired nominal 1.5 mm²  Wire end ferrule  Stripping length nominal 15 mm Recommended wireend ferrule  Stripping length nominal 15 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 12 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 14 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 14 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 12 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 12 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 12 mm Recommended wireend ferrule  Stripping length nominal 12 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 12 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 14 mm Recommended wireend ferrule  Stripping length nominal 14 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 14 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 14 mm Recommended wireend ferrule  Stripping length nominal 14 mm Recommended wireend ferrule  Cross-section for conductor connection Type fine-wired nominal 6 mm²  Wire end ferrule  Stripping length nominal 14 mm Recommended wireend ferrule		wire end ferrule		nominal 14 mm
wire end ferrule  Stripping length   nominal 15 mm   Recommended wire end ferrule  Type   fine-wired   nominal 15 mm   Recommended wire end ferrule  Wire end ferrule  Stripping length   nominal 15 mm   Recommended wire end ferrule  Stripping length   nominal 15 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 14 mm   Recommended wire end ferrule  Type   fine-wired   nominal 14 mm   Recommended wire end ferrule  Type   fine-wired   nominal 14 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 14 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 12 mm   Recommended wire end ferrule  Type   fine-wired   nominal 14 mm   Recommended wire end ferrule  Type   fine-wired   fine-wired   fine-wired   fine-wired   Type   fine-wired   fine				<u>H0,5/18 OR</u>
wire end ferrule         Stripping length Recommended wire end ferrule         nominal 15 mm         15 mm           Cross-section for conductor connection         Type fine-wired nominal 1.5 mm?           wire end ferrule         Stripping length nominal 15 mm         1.5 mm?           Stripping length end ferrule         Nominal 1.5 mm?           Stripping length nominal 12 mm         H1.5/180 SW           Recommended wire-end ferrule         H1.5/12 end ferrule           Cross-section for conductor connection         Type fine-wired nominal 14 mm           Wire end ferrule         Stripping length nominal 14 mm           Cross-section for conductor connection         Type fine-wired nominal 2.5 mm²           wire end ferrule         Stripping length nominal 14 mm           Recommended wire-end ferrule         H2.5/190 BL end ferrule           Stripping length nominal 12 mm         Nominal 12 mm           Recommended wire-end ferrule         Stripping length nominal 12 mm           Wire end ferrule         Stripping length nominal 12 mm           Wire end ferrule         Stripping length nominal 12 mm           Recommended wire-end ferrule         Stripping length nominal 12 mm           Recommended wire-end ferrule         Stripping length nominal 14 mm           Recommended wire-end ferrule         H4.0/200 GR           Stripping length nom		Cross-section for conductor connection	Туре	fine-wired
Recommended wire end ferrule   Type   fine-wired   Nominal   1.5 mm²			nominal	1 mm <sup>2</sup>
Recommended wire- end ferrule   Fine-wired		wire end ferrule	Stripping length	nominal 15 mm
Type			Recommended wire-	H1,0/18 GE
wire end ferrule    Stripping length   Recommended wire-end ferrule   Stripping length   H1.5/12   nominal   12 mm   Recommended wire-end ferrule   H1.5/12   nominal   12 mm   Recommended wire-end ferrule   H1.5/12   nominal   0.75 mm²   No		Cross-section for conductor connection		fine-wired
wire end ferrule  Stripping length Recommended wire- end ferrule Stripping length Recommended wire- end ferrule Stripping length Recommended wire- end ferrule  Cross-section for conductor connection Wire end ferrule  Cross-section for conductor connection Type Stripping length Recommended wire- end ferrule  Cross-section for conductor connection Type fine-wired nominal 2.5 mm² Stripping length Recommended wire- end ferrule  Cross-section for conductor connection Type fine-wired nominal 12 mm Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule				
Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Cross-section for conductor connection  wire end ferrule  Cross-section for conductor connection  Type Fine-wired Recommended wire- end ferrule  Cross-section for conductor connection  Type Fine-wired Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Cross-section for conductor connection  Wire end ferrule  Type Fine-wired Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Type Fine-wired Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Type Fine-wired Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Fine-wired Recommended wire- end ferrule  Recommended wire- end ferrule  Fine-wired Recommended wire- end ferrule  Recommended wire- end ferrule  Fine-wired Recommended wire- end ferrule		wire end ferrule		
Stripping length   nominal 12 mm			Recommended wire-	
Recommended wire-end ferrule   H1.5/12				nominal 12 mm
Cross-section for conductor connection     Type fine-wired nominal n			Recommended wire-	
Nominal   Nomi		Currentian for conductor comments		fine value d
wire end ferrule     Stripping length     nominal     14 mm       Recommended wire-end ferrule     H0.75/18 W       Vire end ferrule     Type     fine-wired       wire end ferrule     Stripping length     nominal     14 mm       Recommended wire-end ferrule     Stripping length     nominal     12 mm       Recommended wire-end ferrule     Stripping length     nominal     12 mm       Recommended wire-end ferrule     Type     fine-wired       wire end ferrule     Stripping length     nominal     12 mm       Recommended wire-end ferrule     Recommended wire-end ferrule     H4.0/12 end ferrule       Stripping length     nominal     14 mm       Recommended wire-end ferrule     Fine-wired       Cross-section for conductor connection     Type     fine-wired       wire end ferrule     Stripping length     nominal     14 mm       Wire end ferrule     Stripping length     nominal     14 mm		Cross-section for conductor connection		
Recommended wire- end ferrule  Cross-section for conductor connection  Wire end ferrule  Type  Stripping length  Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Type  Cross-section for conductor connection  Wire end ferrule  Stripping length  Type		verine and formula		
end ferrule  Type fine-wired nominal 2.5 mm²  Wire end ferrule  Stripping length nominal 12 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 12 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 4 mm²  Wire end ferrule  Stripping length nominal 12 mm  Recommended wire- end ferrule  Stripping length nominal 12 mm  Recommended wire- end ferrule  Stripping length nominal 12 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule		wire end lerrule		
wire end ferrule  Stripping length   nominal   14 mm   Recommended wire-end ferrule   Stripping length   nominal   12 mm   Recommended wire-end ferrule   Stripping length   nominal   12 mm   Recommended wire-end ferrule   Type   fine-wired   nominal   4 mm²   Stripping length   nominal   12 mm   Recommended wire-end ferrule   Stripping length   nominal   12 mm   Recommended wire-end ferrule   Stripping length   nominal   14 mm   Recommended wire-end ferrule   Recommended wire-end ferrule			end ferrule	HU,75/ 18 W
wire end ferrule     Stripping length     nominal     14 mm       Recommended wireend ferrule     Stripping length     nominal     12 mm       Recommended wireend ferrule     Recommended wireend ferrule     H2.5/12       Cross-section for conductor connection     Type     fine-wired       nominal     4 mm²       Stripping length     nominal     12 mm       Recommended wireend ferrule     Stripping length     nominal     14 mm       Recommended wireend ferrule     Type     fine-wired       Cross-section for conductor connection     Type     fine-wired       nominal     6 mm²       wire end ferrule     Stripping length     nominal     14 mm       Recommended wireend ferrule     Recommended wireend ferrule     H6,0/20 SW		Cross-section for conductor connection	Туре	
Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Cross-section for conductor connection  Type  fine-wired  nominal  4 mm²  Wire end ferrule  Stripping length  Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Cross-section for conductor connection  Type  fine-wired  nominal  14 mm  Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Stripping length  Nominal  Stripping length  Nominal  14 mm  Recommended wire- end ferrule  Stripping length  Nominal  14 mm  Recommended wire- end ferrule			nominal	2.5 mm <sup>2</sup>
end ferrule  Stripping length   nominal   12 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type   fine-wired   nominal   4 mm²  wire end ferrule  Stripping length   nominal   12 mm  Recommended wire- end ferrule  Stripping length   nominal   14 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type   fine-wired   nominal   6 mm²  wire end ferrule  Stripping length   nominal   14 mm  Recommended wire- end ferrule  Stripping length   nominal   14 mm  Recommended wire- end ferrule		wire end ferrule		
Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 4 mm²  Wire end ferrule  Stripping length nominal 12 mm  Recommended wire-end ferrule  Stripping length nominal 14 mm  Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  Wire end ferrule  Stripping length nominal 14 mm  Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  Wire end ferrule  Stripping length nominal 14 mm  Recommended wire-end ferrule				H2,5/19D BL
end ferrule			Stripping length	nominal 12 mm
wire end ferrule  Stripping length nominal 12 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Type fine-wired nominal 14 mm  Recommended wire- end ferrule				H2,5/12
wire end ferrule  Stripping length nominal 12 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Type fine-wired nominal 14 mm  Recommended wire- end ferrule		Cross-section for conductor connection		fine-wired
wire end ferrule  Stripping length nominal 12 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Fine-wired nominal 14 mm  Recommended wire- end ferrule				
Recommended wire- end ferrule  Stripping length  Recommended wire- end ferrule  Type  Type		wire end ferrule		
end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  H6,0/20 SW  end ferrule				
Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Recommended wire- end ferrule				
end ferrule  Cross-section for conductor connection  Type fine-wired nominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule			Stripping length	nominal 14 mm
mominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire-end ferrule				H4,0/20D GR
mominal 6 mm²  wire end ferrule  Stripping length nominal 14 mm  Recommended wire-end ferrule		Cross-section for conductor connection		fine-wired
wire end ferrule  Stripping length nominal 14 mm  Recommended wire- end ferrule  Stripping length nominal 14 mm			- ' '	
Recommended wire- end ferrule		wire end ferrule		
end ferrule				
Stripping length nominal 12 mm			end ferrule	
			Stripping length	nominal 12 mm





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		Recommended wire end ferrule	+ H6,0/12	
Reference text		plastic collar should not be larger than the on the product and the rated voltage.	pitch (P), Length of ferrule	
Rated data acc. to IEC				
tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles	57 A	
	· 	(Tu=20°C)		
Rated current, max. number of poles (Tu=20°C)	41 A	Rated current, min. number of poles (Tu=40°C)	41 A	
Rated current, max. number of poles Tu=40°C)	41 A	Rated voltage for surge voltage class / pollution degree II/2	1000 V	
Rated voltage for surge voltage class / pollution degree III/2	1000 V	Rated voltage for surge voltage class / pollution degree III/3	800 V	
Rated impulse voltage for surge voltage class/ pollution degree II/2	6 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	8 kV	
Rated impulse voltage for surge voltage class/ contamination degree III/3	8 kV	Short-time withstand current resistance	3 x 1s with 420 A	
Creepage distance, min.	13.8 mm	Clearance, min.	13.56 mm	
Rated data acc. to CSA				
D ( 00A)	2001/	D. 1 11 (11 0 (000)	000.1/	
Rated voltage (Use group B / CSA) Rated voltage (Use group D / CSA)	600 V	Rated voltage (Use group C / CSA)	600 V 35 A	
	600 V 35 A	Rated current (Use group B / CSA)	5 A	
Rated current (Use group C / CSA)  Wire cross-section, AWG, min.	AWG 24	Rated current (Use group D / CSA) Wire cross-section, AWG, max.	AWG 10	
Rated data acc. to UL 1059				
114104 4414 4001 10 02 1000				
nstitute (cURus)	CURUS	Certificate No. (cURus)	E60693	
Rated voltage (Use group B / UL 1059)	600 V	Rated voltage (Use group C / UL 1059)	600 V	
Rated voltage (Use group D / UL 1059)	600 V	Rated current (Use group B / UL 1059)	42 A	
Rated current (Use group C / UL 1059)	42 A	Rated current (Use group D / UL 1059)	5 A	
Vire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 8	
Reference to approval values	Specifications are maximum values, details - see approval certificate.			
Packing				
		Voc	007.00	
Packaging	Box	VPE length	337.00 mm	
/PE width	148.00 mm	VPE height	88.00 mm	
Type tests				
est: Durability of markings	Standard		on 7.3.2 / 09.02 taking	
	Test	pattern from DIN EN 60068-2-70 / 07.90 mark of origin, type identification, pitch, t		
	Evaluation	material available		
	Test	durability		
	Evaluation	passed		
Test: Misengagement (Non- nterchangeability)	Standard	·	on 6.3 and 6.9.1 / 09.02,	
911	Test	180° turned with coo		
	Evaluation	<u> </u>		
	Test	180° turned without	coding elements	

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Test: Clampable cross section	Standard	DIN EN 60999-1 section 8.2			
	Conductor type	Type of conductor and conductor cross-section	solid 0.5 mm²		
		Type of conductor and conductor cross-section	stranded 0.5 mm <sup>2</sup>		
		Type of conductor and conductor cross-section	solid 6 mm²		
		Type of conductor and conductor cross-section	stranded 6 mm²		
		Type of conductor and conductor cross-section	AWG 24/1		
		Type of conductor and conductor cross-section	AWG 24/19		
		Type of conductor and conductor cross-section	AWG 10/1		
		Type of conductor and conductor cross-section	AWG 10/19		
	Evaluation	passed			
est for damage to and accidental	Standard	DIN EN 60999-1 sectio	DIN EN 60999-1 section 7 and 9.1 / 12.00		
loosening of conductors	Requirement	0.2 kg			
	Conductor type	Type of conductor and conductor cross-section	AWG 24/1		
		Type of conductor and conductor cross-section	AWG 24/19		
	Evaluation	passed			
	Requirement	0.3 kg			
	Conductor type	Type of conductor and conductor cross-section	solid 0.5 mm²		
		Type of conductor and conductor cross-section	stranded 0.5 mm <sup>2</sup>		
	Evaluation	passed			
	Requirement	1.4 kg			
	Conductor type	Type of conductor and conductor cross-section	solid 6 mm²		
		Type of conductor and conductor cross-section	stranded 6 mm <sup>2</sup>		
		Type of conductor and conductor cross-section	AWG 10/1		
		Type of conductor and conductor cross-section	AWG 10/19		
	Evaluation	passed			
ull-out test	Standard	·			
	Requirement	≥10 N			
	Conductor type	Type of conductor and conductor cross-section	AWG 24/1		



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	Type of conductor AWG 24/19 and conductor cross-section	
Evaluation	passed	
Requirement	≥20 N	
Conductor type	Type of conductor solid 0.5 mm <sup>2</sup> and conductor cross-section	
	Type of conductor stranded 0.5 mm <sup>2</sup> and conductor cross-section	
Evaluation	passed	
Requirement	≥80 N	
Conductor type	Type of conductor solid 6 mm <sup>2</sup> and conductor cross-section	
	Type of conductor stranded 6 mm <sup>2</sup> and conductor cross-section	
	Type of conductor AWG 10/1 and conductor cross-section	
	Type of conductor AWG 10/19 and conductor cross-section	
Evaluation	passed	

#### Important note

IPC conformity

Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

Notes

- Additional variants on request
- Rated current related to rated cross-section & 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 drawing = 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.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

#### Classifications

			<u> </u>
ETIM 6.0	EC002638	ETIM 7.0	EC002638
ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 9.0	27-44-03-09
ECLASS 9.1	27-44-03-09	ECLASS 10.0	27-44-03-09
ECLASS 11.0	27-46-02-02	ECLASS 12.0	27-46-02-02
ECLASS 13.0	27-46-02-02	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

# Weidmüller **₹**

## **SVZ 7.62HP/03/180RSH180C SN BK BX**

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

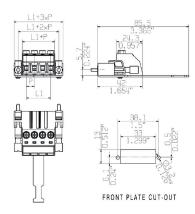
www.weidmueller.com

# **Drawings**

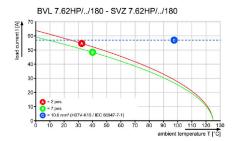
#### **Product image**

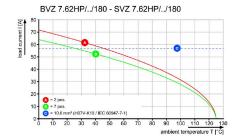


#### **Dimensional drawing**



Graph Graph







Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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## **Accessories**

#### **Coding elements**



The pluggable connections for power electronics - optimised for modern drive technologies, e.g. motor starters, frequency converters and servo-controllers. OMNIMATE Power sets the new standard – with increased safety and innovative solutions such as the pluggable shield, integrated signal contacts and one-handed operation.

The three product lines offer you further advantages:

- Application-oriented scalability: from the compact 4 mm<sup>2</sup> connector for 29 A (IEC) or 20 A (UL) up to the sturdy 16 mm<sup>2</sup> connector for 76 A (IEC) or 54 A (UL)
- Unlimited usage up to 1,000 V (IEC) or 600 V (UL)
- A variety of application optimised mounting options Our service:

Design your individual connectors simply by using the product configurator.

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#### **General ordering data**

-	Contrat of		
Тур	e	BV/SV 7.62HP KO	Version
Ord	ler No.	<u>1937590000</u>	PCB plug-in connector, Accessories, Coding element, black, Number
GTI	N (EAN)	4032248608881	of poles: 1
Qty	١.	50 ST	