

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image

























This PCB terminal provides connections for 1000 V, 6 mm² conductor cross-section and 32 A with proven clamping yoke connection at 9.52 mm pitch, conductor outlet direction in 90° design.

General ordering data

Version	Printed circuit board terminals, 9.52 mm, Number of poles: 2, 90°, Solder pin length (I): 5 mm, tinned, black, Clamping yoke connection, Clamping range, max.: 6 mm², Box
Order No.	<u>1724700000</u>
Туре	LL 9.52/02/90 5.0SN BK BX
GTIN (EAN)	4008190959791
Qty.	100 items
Product data	IEC: 1000 V / 32 A / 0.18 - 6 mm ² UL: 300 V / 30 A / AWG 26 - AWG 10
Packaging	Вох



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Technical data

Approvals

Approvals



ROHS	Conform	
UL File Number Search	<u>UL Website</u>	
Certificate No. (cURus)	E60693	

Dimensions and weights

Depth	12.5 mm	Depth (inches)	0.4921 inch
Height	26.5 mm	Height (inches)	1.0433 inch
Height of lowest version	21.5 mm	Width	19.64 mm
Width (inches)	0.7732 inch	Net weight	5.54 g

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

System parameters

B 1 16 3	ONANUMATE O:	147	
Product family	OMNIMATE Signal - series LL	Wire connection method	Clamping yoke connection
Property, clamping point	WireReady	Mounting onto the PCB	THT solder connection
Conductor outlet direction	90°	Pitch in mm (P)	9.52 mm
Pitch in inches (P)	0.375 "	Number of poles	2
Pin series quantity	1	Fitted by customer	Yes
Number of rows	1	Max. adjacent poles per row	12
Solder pin length (I)	5 mm	Solder pin dimensions	0.5 x 1.0 mm
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)+ 0,1 mm	
Number of solder pins per pole	1	Screwdriver blade	0.8 x 4.0
Screwdriver blade standard	DIN 5264	Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.6 Nm	Clamping screw	M 3
Stripping length	7 mm	L1 in mm	9.52 mm
L1 in inches	0.375 "	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Protection degree	IP20

Material data

Insulating material	Wemid (PA)	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	1
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Coating	4-6 μm SN
Tinning type	matt	Layer structure of solder connection	24 µm Ni / 46 µm Sn matt
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	120 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	120 °C

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Conductors	quitable for	connection
Conductors	SUITABLE TOP	connection

Conductors suitable for confi			
Clamping garage main	0.18 mm²		
Clamping range, min.	0.18 mm ²		
Clamping range, max. Wire connection cross section AWG,	AWG 26		
wire connection cross section AvvG, min.	AVVG 26		
Wire connection cross section AWG,	AWG 10		
max.	AVVG 10		
Solid, min. H05(07) V-U	0.18 mm ²		
Solid, max. H05(07) V-U	6 mm ²		
Stranded, min. H07V-R	0.22 mm ²		
Flexible, min. H05(07) V-K	0.22 mm ²		
Flexible, max. H05(07) V-K	4 mm²		
w. plastic collar ferrule, DIN 46228 pt			
min.	1, 0.0 11111		
w. plastic collar ferrule, DIN 46228 pt	4, 2.5 mm ²		
max.			
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm²		
w. wire end ferrule, DIN 46228 pt 1, max.	4 mm ²		
Plug gauge in accordance with EN 60999 a x b; ø	3.6 mm x 3.1 mm; 2.7 mm		
Clampable conductor	Cross-section for conductor connection	Туре	fine-wired
		nominal	0.5 mm ²
	wire end ferrule	Stripping length	nominal 6 mm
		Recommended wire- end ferrule	H0,5/6
	Cross-section for conductor connection	Туре	fine-wired
		nominal	1 mm ²
	wire end ferrule	Stripping length	nominal 6 mm
		Recommended wire- end ferrule	H1,0/6
	Cross-section for conductor connection	Type	fine-wired
		nominal	1.5 mm ²
	wire end ferrule	Stripping length	nominal 7 mm
		Recommended wire- end ferrule	H1,5/7
	Cross-section for conductor connection	Туре	fine-wired
		nominal	2.5 mm ²
	wire end ferrule	Stripping length	nominal 7 mm
		Recommended wire-	H2,5/7
		end ferrule	
	Cross-section for conductor connection	Туре	fine-wired
		nominal	0.75 mm ²
	wire end ferrule	Stripping length	nominal 6 mm
		Recommended wire- end ferrule	H0,75/6
Reference text	Length of ferrules is to be chosen depending of diameter of the plastic collar should not be large	n the product and the rate	d voltage., The outsid

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	32 A
Rated current, max. number of poles (Tu=20°C)	32 A	Rated current, min. number of poles (Tu=40°C)	32 A

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Rated current, max. number of poles 32 A (Tu=40°C)	Rated voltage for surge voltage class / 1000 V pollution degree II/2
Rated voltage for surge voltage class / 1000 V pollution degree III/2	Rated voltage for surge voltage class / 690 V pollution degree III/3
Rated impulse voltage for surge voltage 6 kV class/ pollution degree II/2	Rated impulse voltage for surge voltage 8 kV class/ pollution degree III/2
Rated impulse voltage for surge voltage 8 kV class/ contamination degree III/3	Short-time withstand current resistance 3 x 1s with 120 A

Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1815154
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	300 V
Rated current (Use group B / CSA)	30 A	Rated current (Use group C / CSA)	35 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 10
Reference to approval values	Specifications are maximum values, details -		

Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group C / UL 1059)	300 V
Rated current (Use group B / UL 1059)	30 A	Rated current (Use group C / UL 1059)	30 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 10
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Вох	VPE length	47.00 mm
VPE width	134.00 mm	VPE height	313.00 mm

Type tests

Test: Durability of markings	Test	mark of origin, type identification, pitch, type of material, approval marking UL, approval marking CSA, durability
	Evaluation	available
Test: Clampable cross section	Standard	DIN EN 60999-1 section 7 and 9.1 / 12.00, DIN EN 60947-1 section 8.2.4.5.1 / 12.02
	Conductor type	Type of conductor solid 0,18 mm ² and conductor cross-section
		Type of conductor flexible 0,22 mm ² and conductor cross-section
		Type of conductor flexible 4 mm ² and conductor cross-section
		Type of conductor solid 6 mm ² and conductor cross-section
		Type of conductor AWG 26/1 and conductor cross-section
		Type of conductor AWG 26/19 and conductor cross-section





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		Type of conductor AWG 10/1 and conductor cross-section
		Type of conductor AWG 10/19 and conductor cross-section
	Evaluation	passed
Test for damage to and accidental	Standard	DIN EN 60999-1 section 9.4 / 12.00
oosening of conductors	Requirement	0.2 kg
	Conductor type	Type of conductor stranded 0.25 mm ² and conductor cross-section
		Type of conductor AWG 26/1 and conductor cross-section
		Type of conductor AWG 26/19 and conductor cross-section
	Evaluation	passed
	Requirement	0.3 kg
	Conductor type	Type of conductor solid 0.5 mm ² and conductor cross-section
	Evaluation	passed
	Requirement	1.4 kg
	Conductor type	Type of conductor solid 6 mm ² and conductor cross- section
		Type of conductor AWG 10/1 and conductor cross-section
	Evaluation	passed
	Requirement	0,9 kg
	Conductor type	Type of conductor flexible 4 mm ² and conductor cross-section
	Evaluation	passed
Pull-out test	Standard	DIN EN 60999-1 section 9.5 / 12.00
	Requirement	≥10 N
	Conductor type	Type of conductor AWG 26/1 and conductor cross-section
		Type of conductor AWG 26/19 and conductor cross-section
	Evaluation	passed
	Requirement	≥20 N
	Conductor type	Type of conductor H05V-K0.5 and conductor cross-section
		Type of conductor H05V-U0.5 and conductor cross-section
	Evaluation	passed
	Requirement	≥60 N
	Conductor type	Type of conductor H07V-K4 and conductor cross-section
	Evaluation	passed
	Requirement	≥80 N
	Conductor type	Type of conductor H07V-U6 and conductor cross-section

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Technical data

	Type of conductor All and conductor cross-section	WG 10/1
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	 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 The data given under CSA relates to a cUL approval - E60693 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. It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

• iacomoationo			
ETIM 6.0	EC002643	ETIM 7.0	EC002643
ETIM 8.0	EC002643	ETIM 9.0	EC002643
ETIM 10.0	EC002643	ECLASS 9.0	27-44-04-01
ECLASS 9.1	27-44-04-01	ECLASS 10.0	27-44-04-01
ECLASS 11.0	27-46-01-01	ECLASS 12.0	27-46-01-01
ECLASS 13.0	27-46-01-01	ECLASS 14.0	27-46-01-01
ECLASS 15.0	27-46-01-01		



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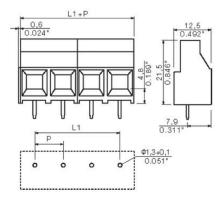
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Drawings

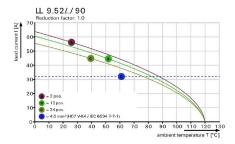
Product image



Dimensional drawing



Graph





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Accessories

Crosshead screwdriver Pozidriv



VDE insulated crosshead screwdriver type Pozidriv SDIK PZ DIN 7438, ISO 8764/2-PZ, output to ISO 8764-PZ, SoftFinish grip

General ordering data

Туре	SDIK PZ1 X 80	Version
Order No.	2749920000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897227	
Qty.	1 ST	
Туре	SDK PZ1 X 80	Version
Type Order No.	SDK PZ1 X 80 2749440000	Version Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Туре	SDIS 0.8X4.0X100	Version
Order No.	9008400000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056361	
Qty.	1 ST	
Туре	SDS 0.8X4.0X100	Version
Type Order No.	SDS 0.8X4.0X100 9008340000	Version Screwdriver, Screwdriver

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