

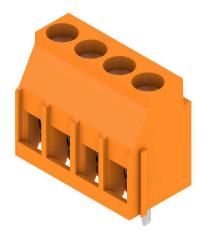


Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image















This PCB terminal provides connections for 32 A and 6 mm² conductor cross-section with the proven clamping-yoke connection, in 5.00 and 5.08 mm pitch. 90° conductor outlet direction.

General ordering data

Version	Printed circuit board terminals, 5.08 mm, Number of poles: 4, 90°, Solder pin length (I): 4.5 mm, tinned, orange, Clamping yoke connection, Clamping range, max.: 6 mm², Box
Order No.	<u>2567130000</u>
Туре	LL 5.08/04/90 4.5SN OR BX
GTIN (EAN)	4050118608724
Qty.	84 items
Product data	IEC: 500 V / 32.5 A / 0.5 - 6 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12
Packaging	Вох





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Technical data

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Approvals



ROHS	Conform	
UL File Number Search	UL Website	
Certificate No. (UR)	E60693	

Dimensions and weights

Depth	11 mm	Depth (inches)	0.4331 inch
Height	21.6 mm	Height (inches)	0.8504 inch
Height of lowest version	17.1 mm	Width	20.97 mm
Width (inches)	0.8256 inch	Net weight	6.2 g

Environmental Product Compliance

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

System parameters

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)	5.08 mm
Pitch in inches (P)	0.200 "	Number of poles	4
Pin series quantity	1	Fitted by customer	Yes
Number of rows	1	Max. adjacent poles per row	24
Solder pin length (I)	4.5 mm	Solder pin dimensions	0.75 x 0.9 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	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.6 Nm	Clamping screw	M 3
Stripping length	6 mm	L1 in mm	15.24 mm
L1 in inches	0.600 "	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
Volume resistance	1.20 mΩ		

Material data

Insulating material	Wemid (PA)	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	I
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	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 suitable for connection

Conductors suitable for conn	ection	
Clamping range, min.	0.13 mm ²	
Clamping range, max.	6 mm ²	
Wire connection cross section AWG, min.	AWG 26	
Wire connection cross section AWG, max.	AWG 12	
Solid, min. H05(07) V-U	0.5 mm ²	
Solid, max. H05(07) V-U	6 mm ²	
Flexible, min. H05(07) V-K	0.5 mm ²	
Flexible, max. H05(07) V-K	4 mm ²	
w. plastic collar ferrule, DIN 46228 pt of min.	4, 0.5 mm ²	
w. plastic collar ferrule, DIN 46228 pt a max.	4, 2.5 mm ²	
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm ²	
w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²	
Plug gauge in accordance with EN 60999 a x b; ø	2.8 mm x 2.4 mm; 3.0 mm	
Clampable conductor	Cross-section for conductor connection	Type fine-wired
		nominal 0.5 mm ²
	wire end ferrule	Stripping length nominal 8 mm
		Recommended wire- end ferrule
		Stripping length nominal 6 mm
		Recommended wire- end ferrule
	Cross-section for conductor connection	Type fine-wired
		nominal 0.75 mm ²
	wire end ferrule	Stripping length nominal 8 mm
		Recommended wire- H0,75/12 W end ferrule
		Stripping length nominal 6 mm
		Recommended wire- end ferrule
	Cross-section for conductor connection	Type fine-wired
		nominal 1 mm ²
	wire end ferrule	Stripping length nominal 8 mm
		Recommended wire- H1,0/12 GE end ferrule
		Stripping length nominal 6 mm
		Recommended wire- H1,0/6 end ferrule
Reference text	Length of ferrules is to be chosen depending diameter of the plastic collar should not be lar	on the product and the rated voltage., The outside

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	32.5 A
Rated current, max. number of poles (Tu=20°C)	26 A	Rated current, min. number of poles (Tu=40°C)	27.5 A
Rated current, max. number of poles (Tu=40°C)	22 A	Rated voltage for surge voltage class / pollution degree II/2	500 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	250 V





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Technical data

Rated impulse voltage for surge voltage 4 kV class/ pollution degree II/2	Rated impulse voltage for surge voltage 4 kV class/ pollution degree III/2
Rated impulse voltage for surge voltage 4 kV	Short-time withstand current resistance 3 x 1s with 120 A
class/ contamination degree III/3	

Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	20 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12

Rated data acc. to UL 1059

Institute (UR)	UR	Certificate No. (UR)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	20 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	351.00 mm
VPE width	140.00 mm	VPE height	32.00 mm

Type tests

Test: Durability of markings	Test	mark of origin, type identification, type of material, approval marking UL, approval marking CSA, durability	
	Evaluation	available	
Test: Clampable cross section	Standard	IEC 60999-1 section 7 and 9.1 / 11.99, IEC 60947-1 section 8.2.4.5.1 / 03.11	
	Conductor type	Type of conductor solid 0.14 mm ² and conductor cross-section	
		Type of conductor stranded 0.14 mm ² and conductor cross-section	
		Type of conductor H07V-U4.0 and conductor cross-section	
		Type of conductor H07V-K4 and conductor cross- section	
		Type of conductor AWG 26/1 and conductor cross-section	
		Type of conductor AWG 26/19 and conductor cross-section	
		Type of conductor AWG 12/1 and conductor cross-section	
		Type of conductor AWG 12/19 and conductor cross-section	
	Evaluation	passed	
Test for damage to and accidental	Standard	IEC 60999-1 section 9.4 / 11.99	
loosening of conductors	Requirement	0.2 kg	

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Pull-out test

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	0.3 kg
Conductor type	Type of conductor H05V-U0.5 and conductor cross-section
	Type of conductor H05V-K0.5 and conductor cross-section
Evaluation	passed
Requirement	0.9 kg
Conductor type	Type of conductor H07V-U4.0 and conductor cross-section
	Type of conductor H07V-K4.0 and conductor cross-section
	Type of conductor AWG 12/1 and conductor cross-section
	Type of conductor AWG 12/19 and conductor cross-section
Evaluation	passed
Standard	IEC 60999-1 section 9.5 / 11.99
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-U0.5 and conductor cross- section
	Type of conductor H05V-K0.5 and conductor cross-section
Evaluation	passed
Requirement	≥60 N
Conductor type	Type of conductor H07V-U4.0 and conductor cross-section
	Type of conductor H07V-K4.0 and conductor cross-section
	Type of conductor AWG 12/1 and conductor cross-section
	Type of conductor AWG 12/19 and conductor cross-section
Evaluation	passed



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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 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. Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

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		



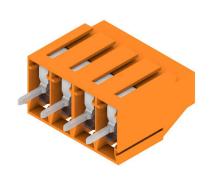
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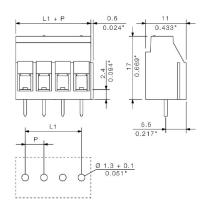
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Drawings

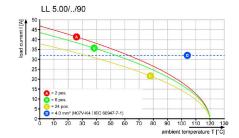
Product image

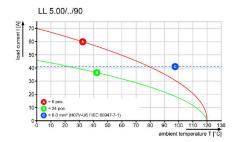


Dimensional drawing

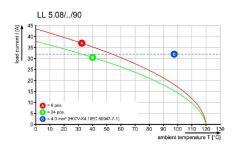


Graph Graph





Graph





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Accessories

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 0.6X3.5X100	Version
Order No.	9008390000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 ST	
Туре	SDS 0.6X3.5X100	Version
Order No.	9008330000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 ST	
Туре	SDS 0.6X3.5X200	Version
Order No.	9010110000	Screwdriver, Screwdriver
GTIN (EAN)	4032248300754	
Qty.	1 ST	