

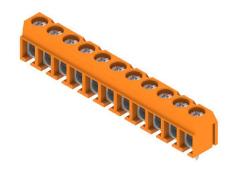


Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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Product image























PCB terminal with leaf spring connection at 5.00 and 5.08 mm pitch. Conductor outlet direction 90°. Suitable for conductor cross-sections up to 2.5 mm².

General ordering data

Version	Printed circuit board terminals, 5.08 mm, Number of poles: 11, 90°, Solder pin length (I): 3.5 mm, tinned, orange, Pressure clamp connection, Clamping range, max.: 2.5 mm², Box
Order No.	<u>1234630000</u>
Туре	PM 5.08/11/90 3.5SN OR BX
GTIN (EAN)	4050118018950
Qty.	100 items
Product data	IEC: 600 V / 24 A / 0.13 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 14
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	8 mm	Depth (inches)	0.315 inch
Height	13.5 mm	Height (inches)	0.5315 inch
Height of lowest version	10 mm	Width	56.48 mm
Width (inches)	2.2236 inch	Net weight	8.2 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	c2abd024-c370-41bc-90fc-5ba34b090103

System parameters

Product family	OMNIMATE Signal - series PM	Wire connection method	Pressure clamp connection
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	11	Pin series quantity	1
Fitted by customer	Yes	Number of rows	1
Max. adjacent poles per row	24	Solder pin length (I)	3.5 mm
Solder pin dimensions	d = 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	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5	Stripping length	6 mm
L1 in mm	50.80 mm	L1 in inches	2.000 "
Touch-safe protection acc. to DIN VDE 0470	IP 20, above the PCB; with conductor connected	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch
Protection degree	IP20		

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	1-3 µm Ni, 4-6 µm SN
Tinning type	matt	Layer structure of solder connection	1.53.5 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 ℃	Temperature range, installation, max.	120 °C

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Technical data

Conductors	cuitable for	connection
Conductors	suitable toi	r connection

Conductors suitable for conn	ection		
Clamping range, min.	0.13 mm ²		
Clamping range, max.	2.5 mm ²		
Vire connection cross section AWG,	AWG 26		
nin.			
Vire connection cross section AWG, nax.	AWG 14		
olid, min. H05(07) V-U	0.13 mm ²		
olid, max. H05(07) V-U	2.5 mm ²		
lexible, min. H05(07) V-K	0.13 mm ²		
exible, max. H05(07) V-K	2.5 mm ²		
v. plastic collar ferrule, DIN 46228 pt 4 nin.	4, 0.25 mm²		
r. plastic collar ferrule, DIN 46228 pt 4 nax.	4, 1.5 mm²		
v. wire end ferrule, DIN 46228 pt 1, nin.	0.25 mm ²		
v. wire end ferrule, DIN 46228 pt 1, nax.	1.5 mm ²		
lampable conductor	Cross-section for conductor connection	Туре	fine-wired
		nominal	0.5 mm ²
	wire end ferrule	Stripping length	nominal 8 mm
		Recommended wire- end ferrule	H0,5/12 OR
		Stripping length	nominal 6 mm
		Recommended wire-	H0,5/6
		end ferrule	110,070
	Cross-section for conductor connection	Туре	fine-wired
		nominal	0.75 mm ²
	wire end ferrule	Stripping length	nominal 8 mm
		Recommended wire- end ferrule	H0,75/12 W
		Stripping length	nominal 6 mm
		Recommended wire-	H0,75/6
		end ferrule	110,7070
	Cross-section for conductor connection	Туре	fine-wired
		nominal	1 mm ²
	wire end ferrule	Stripping length	nominal 8 mm
	wile cha leffule	Recommended wire- end ferrule	H1.0/12 GE
		Stripping length	nominal 6 mm
		Recommended wire- end ferrule	H1,0/6
	Cross-section for conductor connection	Type	fine-wired
	5.555 555tion for conductor confidence	nominal	0.25 mm ²
	wire end ferrule	Stripping length	nominal 8 mm
	wile ella lellale	Recommended wire-	H0,25/10 HBL
		end ferrule	manainal 5
		Stripping length	nominal 5 mm
		Recommended wire- end ferrule	H0,25/5
	Cross-section for conductor connection	Туре	fine-wired
		nominal	0.34 mm ²
	wire end ferrule	Stripping length	nominal 8 mm
		Recommended wire- end ferrule	H0,34/10 TK
		on the product and the rate	

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Short-time withstand current resistance 3 x 1s with 120 A

Technical data

Rated data acc. to IEC				
tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	24 A	
Rated current, max. number of poles (Tu=20°C)	24 A	Rated current, min. number of poles (Tu=40°C)	24 A	
Rated current, max. number of poles (Tu=40°C)	24 A	Rated voltage for surge voltage class / pollution degree II/2	600 V	
Rated voltage for surge voltage class / pollution degree III/2	250 V	Rated voltage for surge voltage class / pollution degree III/3	250 V	
Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV	

Rated data acc. to CSA

class/ contamination degree III/3

Rated impulse voltage for surge voltage 4 kV

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1815154
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	15 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 14
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

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 D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	15 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 14
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	332.00 mm
VPE width	143.00 mm	VPE height	52.00 mm

Type tests

Test: Durability of markings	Standard	DIN EN 60512-1-1 / 01.03	
	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 0.14 mm ² and conductor cross-section	
		Type of conductor stranded 0.14 mm ² and conductor cross-section	
		Type of conductor solid 2.5 mm ² and conductor cross-section	
		Type of conductor stranded 2.5 mm ² and conductor cross-section	

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Technical data

		Type of conductor AWG 26/1 and conductor cross-section		
Test for damage to and accidental loosening of conductors		Type of conductor AWG 26/19 and conductor cross-section		
		Type of conductor AWG 14/1 and conductor cross-section		
		Type of conductor AWG 14/19 and conductor cross-section		
	Evaluation	passed		
	Standard	DIN EN 60999-1 section 9.4 / 12.00		
	Requirement	0.2 kg		
	Conductor type	Type of conductor stranded 0.25 mm 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	0.7 kg		
	Conductor type	Type of conductor solid 2.5 mm ² and conductor cross-section		
		Type of conductor stranded 2.5 mm ² and conductor cross-section		
		Type of conductor AWG 14/1 and conductor cross-section		
		Type of conductor AWG 14/19 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 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	≥20 N		
	Conductor type	Type of conductor H05V-K0.5 and conductor cross- section		
	Evaluation	passed		
	Requirement	≥50 N		



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Technical data

Conductor type	Type of conductor and conductor cross-section	H07V-U2.5
	Type of conductor and conductor cross-section	H07V-K2.5
	Type of conductor and conductor cross-section	AWG 14/1
	Type of conductor and conductor cross-section	AWG 14/19
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.
- 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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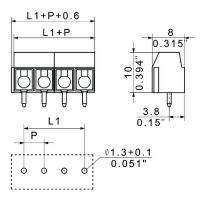
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Drawings

Product image



Dimensional drawing



Graph Graph

