

LM2N 3.50/06/90 3.2SN GY BX

Weidmüller Interface GmbH & Co. KG

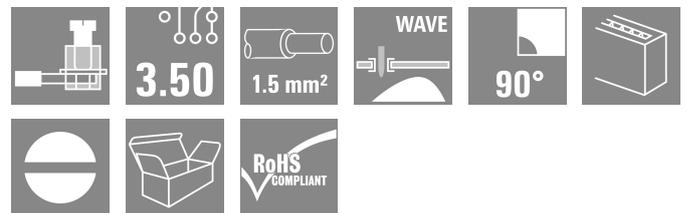
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



Similar to illustration

Small, compact PCB terminal or -tier PCB terminal with proven clamping yoke connection and 3.5 mm pitch. Suitable for conductor cross-sections up to 1.5 mm².

General ordering data

Version	Printed circuit board terminals, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, Pebble grey, Clamping yoke connection, Clamping range, max. : 2.08 mm ² , Box
Order No.	1120020000
Type	LM2N 3.50/06/90 3.2SN GY BX
GTIN (EAN)	4032248901005
Qty.	100 items
Product data	IEC: 320 V / 13 A / 0.5 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 14
Packaging	Box
Delivery status	Discontinued
Available until	2025-08-31T00:00:00+02:00
Creation date	01.03.2026 03:53:26 MEZ

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	16.75 mm	Depth (inches)	0.6594 inch
Height	27.3 mm	Height (inches)	1.0748 inch
Height of lowest version	24.1 mm	Width	12.85 mm
Width (inches)	0.5059 inch	Net weight	4.65 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 LM	Wire connection method	Clamping yoke connection
Mounting onto the PCB	THT solder connection	Conductor outlet direction	90°
Pitch in mm (P)	3.50 mm	Pitch in inches (P)	0.138 "
Number of poles	6	Pin series quantity	2
Fitted by customer	Yes	Number of rows	2
Max. adjacent poles per row	24	Solder pin length (l)	3.2 mm
Solder pin dimensions	1.0 x 0.6 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 standard	DIN 5264	Tightening torque, min.	0.2 Nm
Tightening torque, max.	0.2 Nm	Clamping screw	M 2
Stripping length	5 mm	L1 in mm	7.00 mm
L1 in inches	0.276 "	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	3.60 mΩ		

Material data

Insulating material	PA	Colour	Pebble grey
Colour chart (similar)	RAL 7032	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	
UL 94 flammability rating	V-2	Contact material	Cu-alloy
Contact surface	tinned	Coating	1-3 μm Ni, 4-6 μm SN
Tinning type	matt	Layer structure of solder connection	1.5...3 μm Ni / 4...6 μm Sn matt
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

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Conductors suitable for connection

Clamping range, min.	0.08 mm ²												
Clamping range, max.	2.08 mm ²												
Wire connection cross section AWG, min.	AWG 28												
Wire connection cross section AWG, max.	AWG 14												
Solid, min. H05(07) V-U	0.5 mm ²												
Solid, max. H05(07) V-U	1.5 mm ²												
Flexible, min. H05(07) V-K	0.5 mm ²												
Flexible, max. H05(07) V-K	1.5 mm ²												
w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm ² min.													
w. plastic collar ferrule, DIN 46228 pt 4, 0.75 mm ² max.													
Plug gauge in accordance with EN 60999 a x b; ø	2.4 mm x 1.5 mm												
Clampable conductor	<table border="1"> <tr> <td rowspan="4">Cross-section for conductor connection</td> <td>Type</td> <td colspan="2">fine-wired</td> </tr> <tr> <td>nominal</td> <td colspan="2">0.75 mm²</td> </tr> <tr> <td rowspan="2">wire end ferrule</td> <td>Stripping length</td> <td>nominal 8 mm</td> </tr> <tr> <td>Recommended wire-end ferrule</td> <td>H0.75/12 W</td> </tr> </table>	Cross-section for conductor connection	Type	fine-wired		nominal	0.75 mm ²		wire end ferrule	Stripping length	nominal 8 mm	Recommended wire-end ferrule	H0.75/12 W
Cross-section for conductor connection	Type		fine-wired										
	nominal		0.75 mm ²										
	wire end ferrule		Stripping length	nominal 8 mm									
		Recommended wire-end ferrule	H0.75/12 W										
Reference text	Length of ferrules is to be chosen depending on the product and the rated voltage., The outside diameter of the plastic collar should not be larger than the pitch (P)												

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	13 A
Rated current, max. number of poles (Tu=20°C)	12 A	Rated current, min. number of poles (Tu=40°C)	11 A
Rated current, max. number of poles (Tu=40°C)	10 A	Rated voltage for surge voltage class / pollution degree II/2	320 V
Rated voltage for surge voltage class / pollution degree III/2	160 V	Rated voltage for surge voltage class / pollution degree III/3	160 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV	Short-time withstand current resistance	3 x 1s with 72 A

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)	10 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 14

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)	10 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 14
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

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Technical data**Packing**

Packaging	Box	VPE length	140.00 mm
VPE width	86.00 mm	VPE height	67.00 mm

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	<ul style="list-style-type: none">• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

ETIM 8.0	EC002643	ETIM 9.0	EC002643
ETIM 10.0	EC002643	ECLASS 14.0	27-46-01-01
ECLASS 15.0	27-46-01-01		

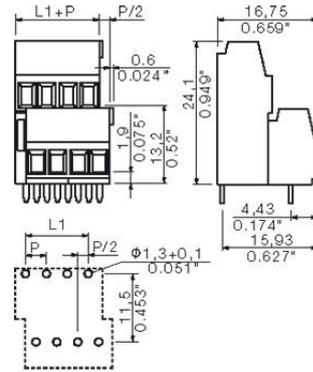
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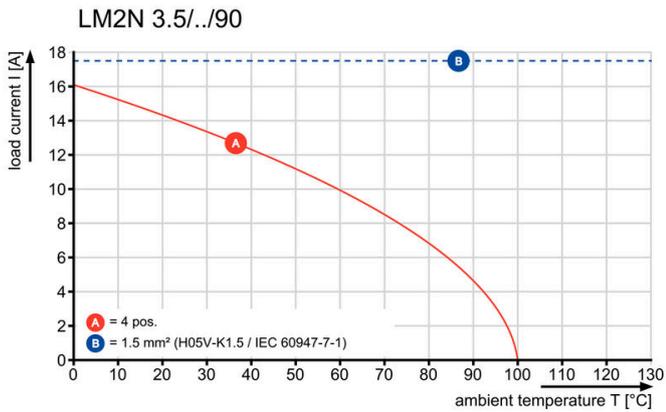
Drawings

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Dimensional drawing



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

Type	SDIS 0.4X2.5X75	Version	
Order No.	9008370000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056330		
Qty.	1 ST		
Type	SDS 0.4X2.5X75	Version	
Order No.	9009030000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248266944		
Qty.	1 ST		