

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image

















OMNIMATE® 4.0 - the next evolution step OMNIMATE® 4.0 follows the trend of One Cable Technology (OCT). The modular concept enables the fast configuration of hybrid interfaces, which transmit data, signals and energy in a single connector. As a result, you can reduce the cabling effort in a wide variety of applications, simplify maintenance and accelerate automation processes. The unique SNAP IN connection is the backbone and speeds up the wiring process. The fastest connection yet

- Fast, safe, and tool-free wiring due to unique SNAP IN connection
- Ready for Robot through "wire ready" delivery with open clamping point
- Optical and acoustic feedback indicates proper wiring Create your own configuration
- Flexible configuration and ordering via the Weidmüller Configurator (WMC)
- Dispatch within three days even for individually configured products
- Automatic offer preparation for the configurated product

Simply configuration of modular hybrid connectors

- Flexible combination options for power, signal and data transmission
- Future-proof Single-Pair Ethernet technology

General ordering data

Version	PCB plug-in connector, male header, THT/THR sol- der connection, Pitch in mm (P): 7.50 mm, Num- ber of poles: 3, 180°, Tube
Order No.	<u>8000078315</u>
Туре	MHS 7S/03 V T3 B T
GTIN (EAN)	4064675621966
Qty.	25 items
Product data	IEC: 1000 V / 34.6 A UL: 300 V / 18.5 A
Packaging	Tube





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Technical data

Αp	a	ro	va	ls
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Approvals	c FAL us
ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	11.9 mm	Depth (inches)	0.4685 inch
Height	17.2 mm	Height (inches)	0.6772 inch
Height of lowest version	14 mm	Width	21.4 mm
Width (inches)	0.8425 inch	Net weight	2.69 g

Temperatures

Ambient temperature -50 °C...125 °C

Environmental Product Compliance

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

System specifications

Product family	OMNIMATE 4.0	Type of connection	Board connection
Mounting onto the PCB	THT/THR solder connection	Pitch in mm (P)	7.50 mm
Pitch in inches (P)	0.295 "	Outgoing elbow	180°
Number of poles	3	Number of solder pins per pole	1
Solder pin length (I)	3.2 mm	Solder pin dimensions	1.0 x 1.0 mm
Solder eyelet hole diameter (D)	1.4 mm	Solder eyelet hole diameter tolerance (D)+ 0,1 mm	
Outside diameter of solder pad	2.3 mm	Template aperture diameter	2.1 mm
L1 in mm	15.00 mm	L1 in inches	0.591 "
Number of rows	1	Pin series quantity	1
Protection degree	IP20	Plugging cycles	≥ 25
Plugging force/pole, max.	9 N	Pulling force/pole, max.	8 N

Material data

Insulating material	PA 9T	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	1
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	1
UL 94 flammability rating	V-0	Contact base material	CuMg
Contact material	Cu-alloy	Contact surface	tinned
Tinning type	matt	Storage temperature, min.	-25 °C
Storage temperature, max.	55 ℃	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C		

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	34.6 A
Rated current, max. number of poles (Tu=20°C)	29.1 A	Rated current, min. number of poles (Tu=40°C)	30.7 A

Creation date 04.11.2025 05:39:20 MEZ

Catalogue status / Drawings 2





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Technical data

Rated current, max. number of poles 25.9 A (Tu=40°C)	Rated voltage for surge voltage class / 1000 V pollution degree II/2
Rated voltage for surge voltage class / 500 V pollution degree III/2	Rated voltage for surge voltage class / 400 V pollution degree III/3
Rated impulse voltage for surge voltage 4 kV class/ pollution degree II/2	Rated impulse voltage for surge voltage 6 kV class/ pollution degree III/2
Rated impulse voltage for surge voltage 6 kV class/ contamination degree III/3	

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 voltage (Use group D / UL 1059)	600 V	Rated voltage (Use group F / UL 1059)	760 V
Rated current (Use group B / UL 1059)	18.5 A	Rated current (Use group C / UL 1059)	18.5 A
Rated current (Use group D / UL 1059)	5 A	Rated current (Use group F / UL 1059)	18.5 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

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. 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. Diameter of solder eyelet D = 1.4+0.1mm 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

EC002637	ETIM 7.0	EC002637
EC002637	ETIM 9.0	EC002637
EC002637	ECLASS 9.0	27-44-04-02
27-44-04-02	ECLASS 10.0	27-44-04-02
27-46-02-01	ECLASS 12.0	27-46-02-01
27-46-02-01	ECLASS 14.0	27-46-02-01
27-46-02-01		
	EC002637 EC002637 27-44-04-02 27-46-02-01 27-46-02-01	EC002637 ETIM 9.0 EC002637 ECLASS 9.0 27-44-04-02 ECLASS 10.0 27-46-02-01 ECLASS 12.0 27-46-02-01 ECLASS 14.0

Catalogue status / Drawings



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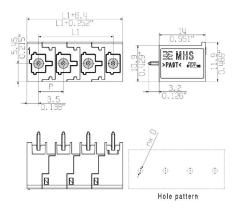
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Drawings

Product image



Dimensional drawing





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Drawings



