

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, female plug, Pitch in mm		
	(P): 7.50 mm, Number of poles: 8, Box		
Order No.	8000078359		
Туре	MPS 7S/08 S F4 TN B B		
GTIN (EAN)	4064675622185		
Qty.	30 items		
Product data	IEC: 1000 V / 34.6 A / 0.5 - 4 mm ²		
	UL: 600 V / 18.5 A / AWG 20 - AWG 12		
Packaging	Вох		



Weidmüller Interface GmbH & Co. KG

2

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Α	p	p	r	O	v	а	ŀ	S

Approvals	c FLI *us
ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	34.95 mm	Depth (inches)	1.376 inch
Height	17.5 mm	Height (inches)	0.689 inch
Width	58.3 mm	Width (inches)	2.2953 inch
Net weight	26.32 a		

Temperatures

Ambient temperature	-50 °C125 °C	

Environmental Product Compliance

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

System Parameters

Product family	OMNIMATE 4.0	
Type of connection	Field connection	
Wire connection method	SNAP IN with lever	
Pitch in mm (P)	7.50 mm	
Pitch in inches (P)	0.295 "	
Conductor outlet direction	180°	
Number of poles	8	
L1 in mm	52.50 mm	
L1 in inches	2.067 "	
Number of rows	1	
Pin series quantity	1	
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	
Touch-safe protection acc. to DIN VDE 0470	IP 20	
Protection degree	IP20	
Stripping length	9 mm	
Stripping length tolerance	min.	8 mm
	max.	10 mm
Plugging cycles	25	
Plugging force/pole, max.	9 N	
Pulling force/pole, max.	8 N	

Material data

Insulating material	PBT GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy





Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Contact surface	tinned	Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C		

Conductors suitable for connection

Conductors suitable for conn	lection	
Clamping range, min.	0.34 mm ²	
Clamping range, max.	4 mm ²	
Wire connection cross section AWG,	AWG 20	
nin.	AVVG 20	
Wire connection cross section AWG,	AWG 12	
nax.	AVVG 12	
Solid, min. H05(07) V-U	0.5 mm ²	
Solid, max. H05(07) V-U	2.5 mm ²	
Flexible, min. H05(07) V-K	0.5 mm ²	
Flexible, max. H05(07) V-K	4 mm ²	
v. plastic collar ferrule, DIN 46228 pt		
v. plastic collar lerrule, Dilv 40220 pt. nin.	4, 0.34 111111-	
v. plastic collar ferrule, DIN 46228 pt	4 2 5 mm ²	
nax.	1, 2.0 11111	
v. wire end ferrule, DIN 46228 pt 1, nin.	0.34 mm²	
w. wire end ferrule, DIN 46228 pt 1,	2.5 mm ²	
nax.	4.00	
Outer diameter of insulation, max. Clampable conductor	4.00 mm Cross-section for conductor connection	nominal 0.34 mm ²
Jampable conductor	wire end ferrule	
	wire end terrule	Stripping length nominal 10 mm Recommended wire- H0,34/12 TK
		end ferrule
	Cross-section for conductor connection	nominal 0.5 mm ²
	wire end ferrule	Stripping length nominal 12 mm
	wire end terrule	- 11 3 3
		Recommended wire- H0,5/16 OR end ferrule
		Stripping length nominal 10 mm
		Recommended wire- H0,5/10
		end ferrule
	Cross-section for conductor connection	nominal 0.75 mm ²
	wire end ferrule	Stripping length nominal 12 mm
	Will off a forfalo	Recommended wire- H0,75/16 W
		end ferrule
		Stripping length nominal 10 mm
		Recommended wire- H0,75/10
		end ferrule
	Cross-section for conductor connection	nominal 1 mm ²
	wire end ferrule	Stripping length nominal 12 mm
		Recommended wire- H1,0/16 GE
		end ferrule
		Stripping length nominal 10 mm
		Recommended wire- H1,0/10
		end ferrule
	Cross-section for conductor connection	nominal 1.5 mm ²
	wire end ferrule	Stripping length nominal 12 mm
		Recommended wire- H1,5/16 R
		end ferrule
		Stripping length nominal 10 mm
		Recommended wire- H1,5/10
		end ferrule
	Cross-section for conductor connection	nominal 2.5 mm ²
	Cross-section for conductor connection	Stripping length nominal 10 mm



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

	Recommended wire- H2,5/15D BL end ferrule
	Stripping length nominal 10 mm
	Recommended wire- H2,5/10 end ferrule
Reference text	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)	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
Rated current, max. number of poles (Tu=40°C)	25.9 A	Rated voltage for surge voltage class / pollution degree II/2	1000 V
Rated voltage for surge voltage class / pollution degree III/2	1000 V	Rated voltage for surge voltage class / pollution degree III/3	630 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	6 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	8 kV

Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)	600 V	Rated voltage (Use group C / UL 1059)	600 V
Rated voltage (Use group D / UL 1059)	600 V	Rated voltage (Use group F / UL 1059)	1000 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)	10 A	Rated current (Use group F / UL 1059)	18.5 A
Wire cross-section, AWG, min.	AWG 20	Wire cross-section, AWG, max.	AWG 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Important note

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. Wire end ferrule without plastic collar to DIN 46228/1
	 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

ETIM 6.0	EC002638	ETIM 7.0	EC002638
ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 9.0	27-44-03-09
ECLASS 9.1	27-44-03-09	ECLASS 10.0	27-44-03-09
ECLASS 11.0	27-46-02-02	ECLASS 12.0	27-46-02-02
ECLASS 13.0	27-46-02-02	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

Creation date 12.11.2025 01:35:08 MEZ



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

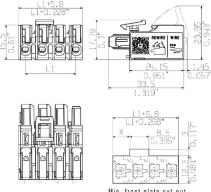
www.weidmueller.com

Drawings

Product image

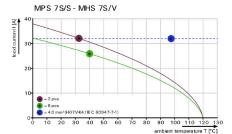


Dimensional drawing

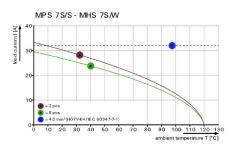


Min. front plate cut-out

Derating curve



Derating curve



Product benefits



Product benefits





Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Drawings

Product benefits



Easy one-handed use of top-fixation

Product benefits



Fastest connection technology SNAP IN



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Counterpart

180° / Vertical



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

Туре	MHS 7S/08 V T3 B T	Version
Order No.	8000078320	PCB plug-in connector, male header, THT/THR solder connection,
GTIN (EAN)	4064675620983	Pitch in mm (P): 7.50 mm, Number of poles: 8, 180°, Tube
Qty.	9 ST	

Creation date 12.11.2025 01:35:08 MEZ



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Counterpart

270° / Horizontal



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

Туре	MHS 7S/08 W T3 B T	Version
Order No.	8000078327	PCB plug-in connector, male header, THT/THR solder connection,
GTIN (EAN)	4064675622543	Pitch in mm (P): 7.50 mm, Number of poles: 8, 270°, Tube
Qty.	9 ST	

Creation date 12.11.2025 01:35:08 MEZ



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Counterpart

90° / Horizontal



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

Туре	MHS 7S/08 H T3 B T	Version
Order No.	8000078313	PCB plug-in connector, male header, THT/THR solder connection,
GTIN (EAN)	4064675622383	Pitch in mm (P): 7.50 mm, Number of poles: 8, 90°, Tube
Qty.	9 ST	

Creation date 12.11.2025 01:35:08 MEZ