

MVT-E-EC

ARTICLE PROPERTIES

PRODUCT TYPE	Valve terminal bus module	PROTOCOL	EtherCAT
DESCRIPTION	Support the EtherCAT protocol, with IO-Link master interface (2*Class-A)"	MATCHING FESTO VALVE TERMINALS	VTUG

ELECTRICAL DATA

SUPPLY VOLTAGE	18 ... 30 V DC	POWER SUPPLY DETECTION	Low voltage alarm
CURRENT CONSUMPTION	Less than 200 mA	SYSTEM DIAGNOSTICS	System failure alarm
SYSTEM MAX. POWER SUPPLY	4 A	MAX. NUMBER OF SOLENOID COILS	48
VALVE MAX. POWER SUPPLY	2 A	EXPANSION PORT TYPE	2*Class-A
ELECTRICAL ISOLATION	Yes	INPUT SIGNAL TYPE	PNP type sensor, travel switch, dry contact (SIO mode)
FIELDBUS	2*M12, D-CODE, 4 pin, Female	OUTPUT SIGNAL TYPE	PNP type loads
POWER SUPPLY	M12*1, L-CODE, 5 pin, Male	MATERIAL DESCRIPTION	RoHS compliance
IO-LINK EXPANSION PORT	2*M12, A-CODE, 5 pin, Female	LED LIGHT	
POWER SUPPLY, INPUTS (PIN1 & PIN3)	IO-Link port max. 1.6 A	• Us	System power
POWER SUPPLY, OUTPUTS (PIN2 & PIN3)	Max. 2 A	• Ua	Auxiliary power
TRANSMISSION RATE	100 Mbit/s	• Run	Running status
MAX. ADDRESS VOLUME, INPUTS	74 Byte	• ERR	Module status
MAX. ADDRESS VOLUME, OUTPUTS	74 Byte	• LK1 / LK2	Network port connection status
COMMUNICATION STATUS	Communication failure alarm	• CH1 / CH2	Port1 / Port2 status indication

GENERAL DATA

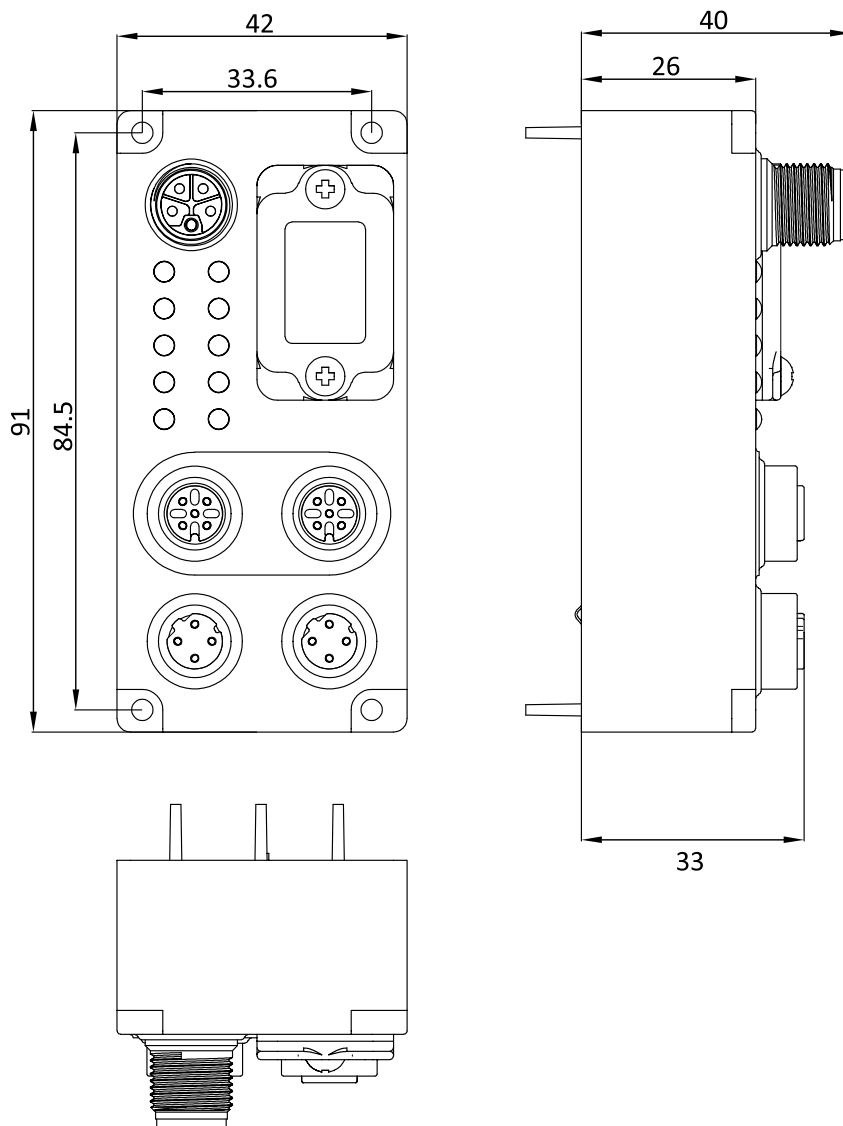
TYPE OF MOUNTING	On electrical interface	OPERATING TEMPERATURE	-5 ... +60 °C
PROTECTION	IP67	STORAGE TEMPERATURE	-20 ... +70 °C
AUTHENTICATION	CE	DIMENSIONS	42 x 91 x 40 mm
PRODUCT WEIGHT	120 g		

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APPROVALS

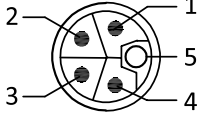


DIMENSIONS

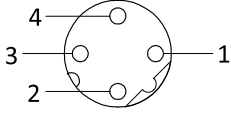


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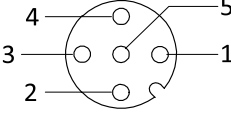
POWER DRAWING

POWER PORT MALE	FUNCTION
	1 - System power Us+
	2 - Auxiliary power Ua-
	3 - System power Us-
	4 - Auxiliary power Ua+
	5 - Protective earthing PE

FIELD BUS DRAWING

BUS PORT FEMALE	FUNCTION
	1 - Transmitting TD+
	2 - Receiver RD+
	3 - Transmitting TD-
	4 - Receiver RD-

SIGNAL DRAWING

SIGNAL PORT FEMALE	FUNCTION
	1 - System power 24 V+
	2 - I/O
	3 - System power 0 V
	4 - C/Q
	5 - PROTECTIVE EARTHING PE

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