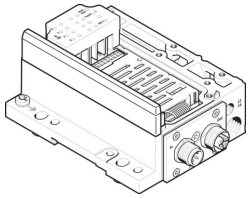
Electrical interface
VMPA-ASI-EPL-EU-4E4A-Z

Part number: 546990



Data sheet

Feature	Value
Dimensions W x L x H	85 mm x 122.9 mm x 55.1 mm
Fieldbus interface	Socket, M12 (AS-i Out) Plug, M12 (AS-i In)
Device-specific diagnostics	AS-i voltage AS-i address Watchdog/I/O status Additional supply missing or undervoltage
Max. no. of valve positions	4
Response delay inputs	Typ. 3 ms at 24 V
Number of slaves per device	1
Operating voltage range DC electronics/sensors	US+ / US- : <= AS-interface bus voltage - 2.5V
AS-Interface DC operating voltage range	26.5 V...31.6 V
DC load voltage operating voltage range	21.6 V...26.4 V
Information concerning load voltage	Via load voltage connection (24 V DC)
Logic level digital inputs	ON: 11 - 30V OFF: -30 - 5V
Max. number of inputs	4
AS interface residual ripple	<= 20 mVss
Load voltage residual ripple	4 Vss
Current consumption with load voltage from AS-Interface and load voltage connection	Max. total current at inputs 350 mA Max. total current at outputs MPA12: 270 mA Max. total current at outputs MPA2: 533 mA
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...40 °C
Degree of protection	IP20
Ambient temperature	-5 °C...50 °C
Product weight	360 g
Input characteristics	As per IEC 1131-2, type 02
Input switching logic	PNP (positive switching)
Addressing range	1 ... 31
LED display (bus-specific)	AS-i: AS-Interface operation Aux/Pwr: AS-Interface power supply Error: AS-Interface error

Feature	Value
LED display (product-specific)	Signal at input/output
Product identification	ID code: ID code: ID=Fh, ID1=Fh, ID2=Eh IO code: 7h Profile: S-7.F.E
Type of mounting	Alternatively: With through-hole With DIN rail
Housing material	Die-cast aluminum PA
Note on materials	RoHS compliant