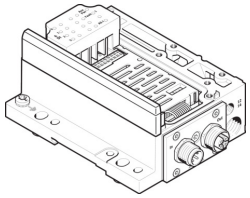
Electrical interface
VMPA-ASI-EPL-EU-4E4A-Z

Part number: 546990



Data sheet

Feature	Value
Dimensions (W x L x H)	85 mm x 122.9 mm x 55.1 mm
Field bus interface	Socket, M12 (ASI Out) Plug, M12 (ASI In)
Device-specific diagnostics	AS-i voltage AS-Interface address Watchdog/I/O status Additional power supply not applied or undervoltage
Max. number of valve positions	4
Message 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
Operating voltage DC AS-interface	26.5 V...31.6 V
Operating voltage DC load voltage	21.6 V...26.4 V
Note on load voltage	Via load voltage connection (24 V DC)
Logic level digital inputs	ON: 11 - 30 V OFF: -30 - 5 V
Max. number of inputs	4
Residual ripple, AS interface	<= 20 mVpp
Residual ripple, load voltage	4 Vss
Current consumption with load supply from AS-interface connection and load voltage connection	Max. resultant current for inputs 350 mA Max. resultant current for outputs MPA12: 270 mA Max. resultant current for 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
Characteristic for inputs	according to IEC 1131-2, type 02
Switching logic for inputs	PNP (positive switching)
Addressing range	1 ... 31
LED display, bus-specific	AS-i: AS-Interface operation Aux/Pwr: AS-Interface power supply Fault: 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	Either: With through-hole via DIN rail
Material housing	Die-cast aluminium PA
Note on materials	RoHS compliant