

Manifold sub-base VABX-A-P-EL-E12-IO5-SHUH-XL

Part number: 8189590

FESTO



 General operating condition

Data sheet

Feature	Value
Size	1 2
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Connection position	At the side
Reverse polarity protection	yes
Diagnostics via LED	(outputs) power supply load Connection status
Valve manifold design	Valve sizes can be mixed
Max. no. of solenoid coils	32
Compatible with	Valve terminal VTUX-A-P
Dimensions W x L x H	45.6 mm x 117.4 mm x 53.9 mm
Fuse protection (short circuit)	Internal electronic fuse per channel
Intrinsic current consumption at nominal operating voltage for electronics/sensors	typically 10 mA
Intrinsic current consumption at nominal operating voltage load	Typically 15 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Power consumption at 24 VDC	0.24 W
Max. power supply	2 x 4 A (external fuse required)
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage DC load	24 V
Electrical isolation of outputs between channel - internal communication	yes
Potential separation between the supply voltages electronics/sensor technology and load/valves	yes
Protocol	IO-Link®
Contamination level	2
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations load	± 10%
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Feature	Value
Storage temperature	-20 °C ... 70 °C
Relative air humidity	5 - 95 %
Degree of protection	IP65
Ambient temperature	-5 °C ... 50 °C
Nominal altitude of use above sea level	≤ 2000 m NHN
Max. installation height	3500 m
Max. tightening torque for wall mounting	6 Nm
Product weight	124.4 g
Electrical actuation	IO-Link®
IO-Link®, protocol version	Device V 1.1
IO-Link®, communication mode	COM3 (230.4 kBd)
IO-Link®, port class	B
IO-Link®, process data width OUT	4 bytes
IO-Link®, minimum cycle time	500 µs
Max. cable length	20 m
Communication types	IO-Link®
Cable outlet	Straight
Electrical connection	M12
Sub-base mounting type	With through-hole
Type of mounting	with through-hole for M5 screw
Pneumatic connection 1	For 15 mm cartridge
Pneumatic connection 5	for 15 mm cartridge
Note on materials	RoHS-compliant
Material of sub-base	PA-reinforced
Cover material	PA-reinforced
Seals material	NBR
Film material	Polyester
Sleeve material	High-alloy stainless steel
Clip material	High-alloy stainless steel
Nut material	High-alloy stainless steel