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

Part number: 8189590



Data sheet

Feature	Value
Size	1 2
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Position of connection	On the side
Reverse polarity protection	Yes
Diagnostics via LED	Power supply load (outputs) Connection status
Valve terminal structure	Valve sizes can be mixed
Max. number of valve 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 the voltage drop
Power consumption at 24VDC	240 mW
Max. power supply	2 x 4 A (external fuse required)
Nominal DC operating voltage, electronics/sensors	24 V
Nominal operating voltage DC of 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®
Pollution degree	2
Permissible voltage fluctuations for electronics/sensors	±25%
Permissible voltage fluctuation of load	±10%
Approval	RCM
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive

Feature	Value
	In accordance with 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
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	<= 2000 m NHN
Max. installation height	3500 m
Max. tightening torque wall mounting	6 Nm
Product weight	124.4 g
Electrical control	IO-Link®
IO-Link, Protocol version	Device V 1.1
IO-Link, communication mode	COM3 (230.4 kBaud)
IO-Link, Port class	B
IO-Link, Process data length OUT	4 bytes
IO-Link, Min. cycle time	500 µs
Max. cable length	20 M
Types of communication	IO-Link®
Cable outlet	Straight
Electrical connection	M12
Mounting method for sub-base	With through-hole
Type of mounting	Via through-hole for M5 screw
Pneumatic connection, port 1	For 15 mm cartridge
Pneumatic connection, port 5	For 15 mm cartridge
Note on materials	RoHS compliant
Material sub-base	Reinforced PA
Material cover	Reinforced PA
Material seals	NBR
Material foil	Polyester
Material sleeve	High-alloy stainless steel
Material clip	High-alloy stainless steel
Material nut	High-alloy stainless steel