Manifold sub-base
VABX-A-S-BV-AH-RVAAAA

Part number: 8188466



Data sheet

Feature	Value
Size	1
Grid dimension	10.55 mm
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
Reverse polarity protection	Yes
Diagnostics via LED	Diagnostics per channel Diagnostics per module
Diagnostics per internal communication	Switch-off load supply Load supply undervoltage PL Logic supply undervoltage PS Load supply overvoltage PL Logic supply overvoltage PS
Max. number of valve positions	4
Integrated function	With electrical interlinking module
Flow direction	Reversible
Max. number of valve coils	8
Compatible with	Valve terminal VTUX-A-S
Suitability for vacuum	Yes
Nominal flow rate standardised according to ISO 8778	470 l/min
Dimensions (W x L x H)	42.05 mm x 104.3 mm x 43.1 mm
Fuse protection (short circuit)	Internal electronic fuse per channel
Inductive protective circuit	Integrated
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typical 24 mA
Intrinsic current consumption at nominal operating voltage load	Typical 7 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note the voltage drop
Power consumption at 24VDC	740 mW
Nominal DC operating voltage, electronics/sensors	24 V
Nominal operating voltage DC of load	24 V
Power failure bridging	10 ms
Electrical isolation of outputs between channel - internal communication	Yes

Feature	Value
Potential separation between the supply voltages electronics/sensor technology and load/valves	Yes
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 In accordance with EU RoHS Directive
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...70 °C
Relative air humidity	5 - 95%
Degree of protection	IP65
Overvoltage category	II
Ambient temperature	-5 °C...50 °C
Nominal altitude of use	< 3000 m NHN
Product weight	120.7 g
Electrical control	AP interface
Max. address volume, outputs	1 Byte
Communication interface, protocol	AP
Mounting method for sub-base	With through-hole
Type of mounting	Tie rod
Pneumatic connection, port 2	For 10 mm cartridge
Pneumatic connection, port 4	For 10 mm cartridge
Note on materials	RoHS compliant
Material sub-base	Reinforced PA
Material seals	NBR
Material retaining bracket	POM
Material sleeve	High-alloy stainless steel
Material clip	High-alloy stainless steel
Material nut	High-alloy stainless steel