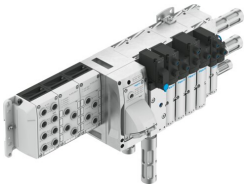
Valve manifold
VTSA-F-CB-AP

Part number: 8130722



Data sheet

Feature	Value
Electrical actuation	AP interface Fieldbus
Type of mounting	Direct mounting via through-hole On H-rail with accessories On mounting frame Screwed on with through-hole for M5 screw with accessories with through-hole for M6 screw with accessories with through-hole for M5 screw with through-hole for M6 screw
Mounting position	Arbitrary, on H-rail: horizontal
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Note on ambient temperature	Observe derating according to user documentation Observe ambient temperature derating according to IEC 61131-2:2017
Storage temperature	-20 °C...60 °C
Relative air humidity	5 - 90% Non-condensating
Max. installation height	3500 m
Information on max. installation height	> 2000 m ASL (< 79.5 kPa) Observe derating according to user documentation Observe ambient temperature derating according to IEC 61131-2:2017
Degree of protection	IP65
Corrosion resistance class (CRC)	0 - No corrosion stress
Operating pressure	-0.9 bar...10 bar
Pilot pressure	3 bar...10 bar
LABS (PWIS) conformity	VDMA24364-B1/B2-L
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
Certification	RCM compliance mark c UL us - recognized (OL)
Note on materials	RoHS compliant Halogen-free Contains no phosphoric acid esters
Valve manifold design	Modular, pneumatic valve sizes can be mixed

Feature	Value
Manual override	Detenting Detenting via accessory Non-detenting Covered Self-resetting via electrical control signal
Actuation type	Electrical
Valve function	2x2/2 closed, monostable 2x3/2 closed, monostable 2x3/2 open monostable 2x3/2, open/closed, monostable 5/2-way, bistable 5/2-way, dominant, bistable 5/2-way, monostable 5/2, monostable, safety function 5/3-way, pressurized 5/3 exhausted 5/3-way, closed 5/3, connection 2 pressurized, 4 exhausted
Structural design	Piston gate valve
Pilot air supply port	External Internal
Suitability for vacuum	Yes
Exhaust air function	Via throttle plate
Signal status display	LED
Fieldbus interface, protocol	ACD (Address Conflict Detection) DLR (Device Level Ring) EtherCAT EtherCAT CoE EtherCAT Distributed Clocks (DC) EtherCAT EoE EtherCAT FoE EtherCAT Modular Device Profile (MDP) EtherNet/IP EtherNet/IP QoS EtherNet/IP Quick Connect LLDP MRP, MRPD (ring redundancy) Modbus/TCP (Modbus/UDP) PROFINET FSU PROFINET I&M0 .. 3 PROFINET IRT
Fieldbus interface, connection type	2x port
Fieldbus interface, connection technology	M12x1, D-coded as per EN 61076-2-101 RJ45 as per IEC 61076-3-117 (V14) SCRJ as per IEC 61754-24-21
Fieldbus interface, number of poles/wires	2 ...8
Information on inputs	EP: 488 byte Modbus: 4096 Byte
Power supply, function	Incoming electronics/sensors and load and functional earth Incoming electronics/sensors and load
Power supply, type of connection	Plug
Power supply, connection technology	7/8“ to NFPA/T3.5.29 M12x1, L-coded as per EN 61076-2-111 M18x1 M8x1, A-coded as per EN 61076-2-104 Push-pull as per IEC 61076-3-126
Power supply, number of pins/wires	4 ...5
Nominal operating voltage DC	24 V
Note on nominal operating voltage DC	Protected Extra-Low-Voltage as per IEC 60204-1
Permissible voltage fluctuations	+/- 10%
Nominal operating voltage DC for electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	±25%
Potential separation between the supply voltages electronics/sensor technology and load/valves	Yes

Feature	Value
Reverse polarity protection	Yes