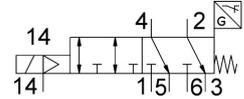


Control block VOFT-L14-M62-MZT2-G18-1M8RL-APC

Part number: 8219319

FESTO



Data sheet

Feature	Value
Valve function	6/2-way valve, monostable
Actuation type	Electrical
Width	14.5 mm
Nominal flow rate standardized according to ISO 8778	830 l/min
Normal nominal flow rate (normalized to DIN 1343)	770 l/min
Pneumatic working port	G1/8
Operating voltage	24V DC
Operating pressure	0 MPa...1 MPa 0 bar...10 bar 0 psi...145 psi
Structural design	Piston gate valve
Reset method	Mechanical spring
Degree of protection	IP65
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
Exhaust air function	Without flow control option
Sealing principle	Soft
Mounting position	Any
Conforms to standard	EN 60947-5-2
Manual override	Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Non-reversible
Measuring principle	Inductive
Lap	Underlap
Reverse polarity protection	for all electrical connections
Sensor reverse polarity protection	For all electrical connections
Note on forced dynamization	Current information on this issue can be found in Technical Report V
Switching position indication	LED
Signal status display	Yellow LED, valve control

Feature	Value
Switching position sensing	Normal position with sensor
Sensor switching status indication	LED
Pilot pressure MPa	0.35 MPa...0.8 MPa
Pilot pressure	3.5 bar...8 bar
b-value	0.42
C value	3 l/sbar
Switching time off	65 ms
On switching time	14 ms
Pneumatic valve - sensor ON switching time	11 ms
Pneumatic valve - sensor switching time off	70 ms
DC operating voltage range	24 V
Duty cycle	100%
Max. positive test pulse with 0 signal	800 µs
Max. negative test pulse on 1 signal	400 µs
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	-10%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication not possible
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
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Storage temperature	-10 °C...60 °C
Temperature of medium	-5 °C...50 °C
Noise level	64 dB(A)
Protection against direct and indirect contact	PELV
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Nominal altitude of use above sea level	1000 m as per VDE 0580
Product weight	140 g
DC sensor operating voltage range	10 V...30 V
Sensor short circuit protection	yes
Sensor idle current	10 mA
Max. output current, sensor	200 mA
Sensor max. switching frequency	5000 Hz
Sensor residual ripple	± 10 %
Sensor voltage drop	2 V
Electrical connection	3-pin M8x1 A-coded as per EN 61076-2-104 Plug
Sensor connection	Cable 3-pin 2.5 m
Type of mounting	With through-hole for M4 screw
Pilot air port 14	M5
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Pneumatic connection 4	G1/8
Pneumatic connection 5	G1/8
Pneumatic connection 6	G1/8
Note on materials	RoHS-compliant

Feature	Value
Seals material	FPM HNBR NBR
Housing material	Wrought aluminum alloy
Material of cable sheath	PVC
Material of screws	Steel, chemically nickel-plated
Switching element function	N/C contact