Solenoid valve
VUVG-B10-M52-MZT-F-1R8L

Part number: 578157

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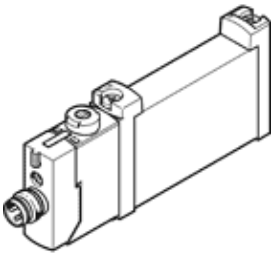

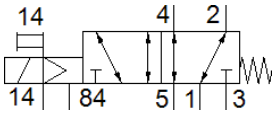

Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Valve size	10 mm
Standard nominal flow rate	230 l/min
Working pressure	-0.9 ... 8 bar
Design structure	Piston slide
Type of reset	mechanical spring
Protection class	IP65 with plug socket
Authorization	RCM Mark c CSA us (OL) c UL us - Recognized (OL)
Nominal size	2.3 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting Pushing Covered
Type of piloting	Piloted
Pilot air supply	external
Pilot pressure	3 ... 8 bar
Suitability for vacuum	Yes
Switching time off	24 ms
Switching time on	8 ms
Duty cycle	100%
Max. positive test pulse with logic 0	700 µs
Max. negative test pulse with logic 1	900 µs
Characteristic coil data	24 V DC: 1 W
Permissible voltage fluctuation	+/- 10 %
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Restriction ambient and medium temperature	-5 - 50 °C Without holding current reduction
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature	-5 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 60 °C
Product weight	44 g

Feature	Value
Electrical connection	Via electrical connection plate
Mounting type	on manifold rail
Materials note	Conforms to RoHS
Material seals	HNBR NBR
Material housing	Wrought Aluminum alloy

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