Air solenoid valve VZWF-L-M22C-G114-400-1P4-10-R1

FESTO

Part number: 1492123





Data sheet

Type code VZWF Design Diaphragm valve Fore pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection G1 1/A Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 40 mm Valve function 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7:*-] Interest gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/-10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 2 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 80 °C Leak rate to EN 12266-1 A <th>Feature</th> <th>Value</th>	Feature	Value
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Type of mounting Fitting connection Fitting connection Form A Plug as per EN 175301-803 Rectangular design Nominal width Valve function Annual override Manual override Flow direction Medium Mounting Pressure of fitting PN Differential pressure Coil characteristics Permissible voltage fluctuations Symbol Medium pressure Medium pressure Medium pressure O bar Coil characteristics 2 4 ∨ DC: 30.0 W Permissible voltage fluctuations Medium pressure O bar 10 bar Medium pressure Medium pressure O bar 10 bar	Sealing principle	Soft
Fitting connection G1 1/4 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 40 mm Valve function 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7:-:] Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations 40 % Symbol 00992976 Medium pressure 0 bar 10 bar Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 85 °C Leak rate to EN 12266-1 A	Mounting position	Magnet, upright
Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 40 mm Valve function 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Compressed air as per ISO 8573-1:2010 [7::] Inert gas Inert gas Inert gas Inert gas Inert gas Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Type of mounting	Line installation
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Flow direction Medium Medium Medium Medium Non-reversible Compressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure O bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure O bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature Leak rate to EN 12266-1 A	Valve function	2/2, closed, monostable
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Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure O bar Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure O bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature Leak rate to EN 12266-1 A	Flow direction	Non-reversible
Differential pressure Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature Leak rate to EN 12266-1 A	Medium	Inert gas Mineral oil Water Neutral liquids
Coil characteristics 24 V DC: 30.0 W Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Nominal pressure of fitting PN	40
Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Differential pressure	0 bar
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Medium pressure 0 bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Permissible voltage fluctuations	+/- 10 %
Max. viscosity Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Symbol	00992976
Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Medium pressure	0 bar 10 bar
Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Max. viscosity	22 mm ² /s
Leak rate to EN 12266-1 A	Temperature of medium	-10 °C 80 °C
	Ambient temperature	-10 °C 35 °C
Flow rate Kv 20 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	20 m³/h

Feature	Value
Standard nominal flow rate	21370 l/min
On switching time	620 ms
Switching time off	1140 ms
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	Cast stainless steel
Material number of housing	1.4581
Seals material	NBR
Material of screws	High-alloy stainless steel
Material number of screw	1.4301
Product weight	4500 g
Degree of protection	IP65
CE marking (see declaration of conformity)	as per EU pressure equipment directive
Corrosion resistance class (CRC)	3 - High corrosion stress