Air solenoid valve VZWF-B-L-M22C-N1-275-E-2AP4-6-R1

FESTO

Part number: 1492282





Data sheet

Diaphragm valve Force pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation NPT1 Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function 2/2, closed, monostable Manual override None Flow direction 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 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Symbol 00992976 Medium pressure 0 bar 6 bar Max. viscosity 22 mm²/s Femperature 1-10 °C 35 °C Ambient temperature 1-10 °C 35 °C	Feature	Value
Force pilot operated Actuation type Sealing principle Mounting position Magnet, upright Line installation Fitting connection NPT1 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Avalve function Manual override None How direction Medium Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request Other flow media on request Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Symbol Medium pressure Obar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Symbol Medium pressure Obar Ambient temperature - 10 °C 80 °C Leak rate to EN 12266-1 A	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation NPT1 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function Manual override None Flow direction Medium Mominal pressure of fitting PN A0 Differential pressure Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Symbol Medium pressure Medium pressure O bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Medium pressure O bar Coil characteristics 10 v AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations 4/- 10 % Medium pressure O bar 6 bar Max. viscosity 120 mm²/5 Itemperature Iton Coil Coil Coil Coil Coil Coil Coil Coil	Design	
Mounting position Magnet, upright Line installation NPT1 Form A Plug as per EN 175301-803 Rectangular design Nominal width Valve function Magnet, upright Line installation NPT1 Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function None Flow direction None Flow direction Medium Compressed air as per ISO 8573-1:2010 [7:-:-] Intert gas Int	Actuation type	Electrical
Electrical connection NPT1 Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Alvalve function None Flow direction Medium None None None None Nominal pressure of fitting PN Au Coll characteristics Permissible voltage fluctuations Symbol Symbol Medium pressure O bar Coll characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Symbol Medium pressure O bar Coll characteristics 100 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Symbol Medium pressure O bar 6 bar O comparative pressure O comparative pressure O comparative pressure O comparative pressu	Sealing principle	Soft
Fitting connection Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm Valve function Manual override None Flow direction Medium Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request Volter flow media on request O bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Symbol Medium pressure O bar Coil characteristics 100992976 Medium pressure O bar O bar O bar O 0992976 Medium pressure O bar O 0092976 Medium pressure O 0092976 M	Mounting position	Magnet, upright
Form A Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm 2/2, closed, monostable Manual override None Flow direction Medium Compressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water Neutral liquids Other flow media on request A0 Differential pressure Coli characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol Medium pressure O bar O coli characteristics 10 ° C 80 ° C Ambient temperature -10 ° C 35 ° C Leak rate to EN 12266-1	Type of mounting	Line installation
Plug as per EN 175301-803 Rectangular design Nominal width 27.5 mm 2/2, closed, monostable Manual override None Flow direction Non-reversible Medium Medium Medium Moninal pressure of fitting PN Ober Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol Medium pressure Obar 6 bar Medium pressure Medium pressure Medium pressure Medium pressure Obar 6 bar Medium pressure Medium pressure Medium pressure Medium pressure Nominal pressure Obar 6 bar Max. viscosity 22 mm²/s Image: A company of the company o	Fitting connection	NPT1
Valve function 2/2, closed, monostable None Flow direction 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 Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Fymbol Oop92976 Medium pressure 0 bar 0 bar 22 mm²/s Femperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1	Electrical connection	Plug as per EN 175301-803
Manual override None Flow direction 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 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure O bar 6 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	Nominal width	27.5 mm
Non-reversible Medium 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 Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 6 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	Valve function	2/2, closed, monostable
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 O bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure O bar 6 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	Manual override	None
Inert gas Mineral oil Water Neutral liquids Other flow media on request Nominal pressure of fitting PN 40 Differential pressure 0 bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 6 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	Flow direction	Non-reversible
Differential pressure O bar Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure O bar 6 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	Medium	Inert gas Mineral oil Water Neutral liquids
Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 bar 6 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 6 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
Symbol 00992976 Medium pressure 0 bar 6 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	Coil characteristics	110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA
Medium pressure 0 bar 6 bar 22 mm²/s Temperature of medium -10 °C 80 °C -10 °C 35 °C Leak rate to EN 12266-1 A	Permissible voltage fluctuations	+/- 10 %
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	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 6 bar
Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Max. viscosity	22 mm²/s
Leak rate to EN 12266-1 A	Temperature of medium	-10 °C 80 °C
	Ambient temperature	-10 ℃ 35 ℃
Flow rate Kv 11 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	11 m³/h

Feature	Value
Standard nominal flow rate	11750 l/min
On switching time	275 ms
Switching time off	290 ms
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	Cast stainless steel
Material number of housing	1.4581
Seals material	EPDM
Material of screws	High-alloy stainless steel
Material number of screw	1.4301
Product weight	1500 g
Degree of protection	IP65
CE marking (see declaration of conformity)	As per EU low voltage directive
Corrosion resistance class (CRC)	3 - High corrosion stress