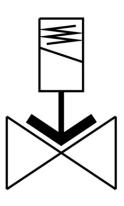
Air solenoid valve VZWF-B-L-M22C-G38-135-E-2AP4-10-R1

FESTO

Part number: 1492231





Data sheet

Diaphragm valve Force pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection G3/8 Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm Valve function Annual 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 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 % Symbol 00992976 Medium pressure O bar 10 bar Max. viscosity 22 mm²/s Temperature O dendation Ambient temperature -10 °C 35 °C	Feature	Value
Force pilot operated Actuation type Sealing principle Mounting position Magnet, upright Line installation Fitting connection G3/8 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm Valve function Annual 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 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 +/- 10 % Symbol Medium pressure Obar Loil 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 10 bar Max. viscosity 22 mm²/s Temperature -10 °C 35 °C Ambient temperature Leak rate to EN 12266-1 A	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation G3/8 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 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 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 4/- 10 % Symbol Medium pressure 0 bar 10 bar Max. viscosity 120 mm²/s Iemperature -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1	Design	
Mounting position Magnet, upright Line installation G3/8 Form A Plug as per EN 175301-803 Rectangular design Nominal width J3.5 mm Valve function Mon-reversible Medium Medium Mominal pressure of fitting PN Differential pressure Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Ayabea 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 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 H/- 10 % Medium pressure O bar 10 bar Medium pressure O bar 10 bar Mex. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1	Actuation type	Electrical
Electrical connection G3/8 Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm 2/2, closed, monostable Manual override None Flow direction Medium Medium Mominal pressure of fitting PN Aunual pressure Coil characteristics 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Symbol Medium pressure Mominal pressure O bar Compressible Compressible Other flow media on request 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA Permissible voltage fluctuations Flow direction Ober Compressible Ober Compressible Ober Compressible Ober Compressible Ober Compressible Ober Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request Ober Compressible Ober Compre	Sealing principle	Soft
Fitting connection Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 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 Au Obar 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 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 80 °C Ambient temperature -10 °C 85 °C	Mounting position	Magnet, upright
Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm 2/2, closed, monostable Manual override None Flow direction Medium 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 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 Medium pressure O 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	Type of mounting	Line installation
Plug as per EN 175301-803 Rectangular design Nominal width 13.5 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 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 10 bar Max. viscosity 22 mm²/5 Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 35 °C Leak rate to EN 12266-1 A	Fitting connection	G3/8
Valve function 2/2, closed, monostable None Manual override 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 4/- 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	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 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	Nominal width	13.5 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 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 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	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 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 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	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 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	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 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
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	Coil characteristics	110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA
Medium pressure 0 bar 10 bar 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 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 10 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 °C 35 °C
Flow rate Kv 2.2 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	2.2 m³/h

Feature	Value
Standard nominal flow rate	2350 l/min
On switching time	130 ms
Switching time off	180 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	1000 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