Air solenoid valve VZWF-B-L-M22C-G14-135-3AP4-10-R1

FESTO

Part number: 1492310





Data sheet

Design Diaphragm valve Force pilot operated Actuation type Electrical Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting connection G1/4 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 Differential pressure Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations 4/- 10 % Symbol 00992976 Medium pressure O bar Compressed O bar Coil characteristics 22 mm²/s Temperature O bar To oc 35 °C Ambient temperature I 10 °C 35 °C Ambient temperature I 10 °C 35 °C Ambient temperature I 10 °C 35 °C	Feature	Value
Force pilot operated Actuation type Electrical Soft Mounting position Magnet, upright Line installation Fitting connection Electrical connection Fitting connection Electrical connection Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm Valve function Anual override None Flow direction Medium Compressed air as per ISO 8573-1:2010 [7:-:-] Innert gas Mineral oil Water Neutral liquids Other flow media on request Other flow media on request Other flow media on request Au Other flow as a constance of fitting PN Obressure Oil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol Oo992976 Medium pressure O bar Obar 10 bar Max. viscosity 22 mm²/s Temperature -10 °C 35 °C Ambient temperature -10 °C 35 °C Ambient temperature -10 °C 35 °C Ambient temperature -10 °C 35 °C	Type code	VZWF
Sealing principle Soft Mounting position Magnet, upright Type of mounting Line installation Fitting 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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations 4/- 10 % Symbol Medium pressure 0 bar 10 bar Make. viscosity 22 mm²/s Temperature of medium -10 °C 35 °C Ambient temperature -10 °C 35 °C	Design	
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Type of mounting Line installation G1/4 Form A Plug as per EN 175301-803 Rectangular design Nominal width 13.5 mm Valve function Manual override None Flow direction Medium Medium Nominal pressure of fitting PN Ao Differential pressure Coil characteristics Permissible voltage fluctuations Symbol Symbol Medium pressure O bar Compressed air as per ISO 8573-1:2010 [7:] Inert gas Mineral oil Water Neutral liquids Other flow media on request Ao Differential pressure O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations Symbol Oo992976 Medium pressure O bar 10 bar Max. viscosity 22 mm²/s Temperature of medium -10 °C 80 °C Ambient temperature -10 °C 85 °C Ambient temperature -10 °C 35 °C Ambient temperature -10 °C 35 °C	Sealing principle	Soft
Fitting connection 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 Nore Noil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations Symbol Medium pressure O bar 10 bar 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 Ambient temperature -10 °C 35 °C	Mounting position	Magnet, upright
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 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 A0 Differential pressure O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 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 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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA Permissible voltage fluctuations +/- 10 % Symbol 00992976 Medium pressure 0 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	Fitting connection	G1/4
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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 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	Electrical connection	Plug as per EN 175301-803
Manual override Flow direction Medium Medium Medium Medium Medium Medium Medium Mompressed air as per ISO 8573-1:2010 [7:-:-] Inert gas Mineral oil Water Neutral liquids Other flow media on request Mominal pressure of fitting PN Mominal pressure O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 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	Nominal width	13.5 mm
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 Nominal pressure of fitting PN 40 Differential pressure O bar Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 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 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 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	Flow direction	Non-reversible
Differential pressure Coil characteristics 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 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	Medium	Inert gas Mineral oil Water Neutral liquids
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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	230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA
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 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 1.8 m³/h	Leak rate to EN 12266-1	A
	Flow rate Kv	1.8 m³/h

Feature	Value
Standard nominal flow rate	1920 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	NBR
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