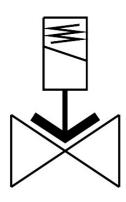
## Solenoid valve VZWF-B-L-M22C-G38-135-2AP4-10-R1

**FESTO** 

Part number: 1492215





General operating condition

## **Data sheet**

| Electric saling principle Soft Solenoid vertical Jun-line installation Jun-line installation Solenoid vertical Jun-line installation Jun-line installation Jun-line installation Solenoid vertical Solenoid vertical Jun-line installation Jun-line installation Jun-line installation Jun-line installation Jun-line installation Solenoid vertical Jun-line installation Jun-line  | Feature                          | Value  |
|--|----------------------------------|--|
| sealing principle soft sounting position Solenoid vertical In-line installation sonnection Process valve sectrical connection Type A Plugs To EN 175301-803 Square design sominal size slave function To year, closed, monostable sound installation To year, closed, monostable sound installation To year, closed, monostable Sound installation To year, closed, monostable | Design                           | Force pilot operated   |
| sounting position  yee of mounting  In-line installation  G3/8  Type A Plugs To EN 175301-803 Square design  ominal size  alve function  ominal size  alve function  ominal override  ow direction  ownerssed air to ISO 8573-1:2010 [7:] Inert gases Mineral oit Water Neutral fluids Other media on request  owher media on request  owher media on request  of MPa  ressure difference  o bar  ressure difference  o bar  ressure difference  o psi haracteristic coil data  110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA  extensistible voltage fluctuations  ymbol  ow992976  ledium pressure  o MPa 1 MPa  ledium pressure  o bar 10 bar  ledium pressure  olumination  on MPa 1 MPa  ledium pressure  o psi 145 psi  lax. viscosity  22 mm²/s   | Type of actuation                | Electric   |
| In-line installation In Expect In-line In Expect In-line In-line installation In Expect In-line In Expect In-line In-line installation In Expect In-line In Exp | Sealing principle                | Soft   |
| onnection Process valve  ectrical connection  Type A Plugs To EN 175301-803 Square design  ominal size  13.5 mm  alve function  2/2-way, closed, monostable  anual override  None  ow direction  where to ISO 8573-1:2010 [7:] Inert gases Mineral oil Water Neutral fluids Other media on request  ominal pressure PN  40  obar  ressure difference 0 MPa  ressure difference 0 Obar  ressure difference 1 Opsi Amaracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA  remissible voltage fluctuations  who are to ISO 8992976  redium pressure 0 MPa  100 VAC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA  remissible voltage fluctuations  who are to ISO 8992976  redium pressure 0 MPa 1 MPa  redium pressure 0 Desi 145 psi ledium pressure 1 Opsi 145 psi lax. viscosity 2 2 mm²/s  | Mounting position                | Solenoid vertical  |
| Type A Plugs To EN 175301-803 Square design  ominal size alve function 2/2-way, closed, monostable anual override None ow direction Compressed air to ISO 8573-1:2010 [7:] Inert gases Mineral oil Water Neutral fluids Other media on request  ominal pressure PN 40  ressure difference 0 MPa ressure difference 0 Obar ressure difference 0 Desi ressure difference 10 psi restrict coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA remissible voltage fluctuations ymbol 00992976 redium pressure 0 Der 10 bar redium pressure 0 Der 10 bar redium pressure 0 Der 10 bar redium pressure 0 Opsi 145 psi ledium pressure 0 Opsi 145 psi ledium pressure 0 Opsi 145 psi ledium pressure 0 Opsi 145 psi  | Type of mounting                 | In-line installation   |
| Plugs To EN 175301-803 Square design  ominal size  13.5 mm  2/2-way, closed, monostable  anual override  None  ow direction  Non-reversible  compressed air to ISO 8573-1:2010 [7:-:-] Inert gases Mineral oil Water Neutral fluids Other media on request  ominal pressure PN  40  ressure difference  0 MPa  ressure difference  0 Dar  ressure difference  10 Dar  ressure difference  10 Das  remissible voltage fluctuations  ymbol  20 MPa  110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA  remissible voltage fluctuations  ymbol  20 MPa  110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA  remissible voltage fluctuations  ymbol  20 MPa 1 MPa  dedium pressure  40 MPa 1 MPa  dedium pressure  40 Dar 10 bar  | Connection Process valve         | G3/8   |
| alve function 2/2-way, closed, monostable  lanual override None  ow direction Non-reversible  ledium Compressed air to ISO 8573-1:2010 [7:] Inert gases Mineral oil Water Neutral fluids Other media on request  ominal pressure PN 40  ressure difference 0 MPa ressure difference 0 bar ressure difference 0 psi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations +/- 10 % ymbol 00992976 ledium pressure 0 MPa 1 MPa ledium pressure 0 0 psi 1 MPa ledium pressure 0 0 psi 1 45 psi ledium pressure 0 0 psi 145 psi lax. viscosity 22 mm²/s   | Electrical connection            | Plugs<br>To EN 175301-803  |
| Initial override  ow direction  Non-reversible  Compressed air to ISO 8573-1:2010 [7:] Inert gases Mineral oil Water Neutral fluids Other media on request  ominal pressure PN  40  ressure difference 0 MPa  ressure difference 0 psi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations 4/- 10 % ymbol 00992976 ledium pressure 0 MPa 1 MPa ledium pressure 0 psi 145 psi ledium pressure 0 psi 145 psi leav. 1 mPa  | Nominal size                     | 13.5 mm  |
| Non-reversible ledium ledium Compressed air to ISO 8573-1:2010 [7:] Inert gases Mineral oil Water Neutral fluids Other media on request  OMPa ressure difference OMPa ressure difference Opsi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations ymbol OMPa 10 WPA 11 WPA 11 WPA 12 WPA 13 WPA 14 WPA 15 WPA 16 WPA 16 WPA 17 WPA 18 WPA    | Valve function                   | 2/2-way, closed, monostable                                      |
| Compressed air to ISO 8573-1:2010 [7::-] Inert gases Mineral oil Water Neutral fluids Other media on request  ominal pressure PN  40  ressure difference 0 MPa  ressure difference 0 psi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations +/- 10 % ymbol 00992976 ledium pressure 0 MPa 1 MPa ledium pressure 0 bar 10 bar ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s   | Manual override                  | None   |
| Inert gases Mineral oil Water Neutral fluids Other media on request  ominal pressure PN  40  ressure difference 0 MPa  ressure difference 0 bar  ressure difference 0 psi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations +/- 10 % ymbol 00992976 ledium pressure 0 MPa 1 MPa ledium pressure 0 bar 10 bar ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s  | Flow direction                   | Non-reversible   |
| ressure difference 0 bar ressure difference 0 psi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations +/- 10 % ymbol 00992976 ledium pressure 0 MPa 1 MPa ledium pressure 0 bar 10 bar ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s  | Medium                           | Inert gases<br>Mineral oil<br>Water<br>Neutral fluids            |
| ressure difference 0 psi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations +/- 10 % ymbol 00992976 ledium pressure 0 MPa 1 MPa ledium pressure 0 bar 10 bar ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s   | Nominal pressure PN              | 40   |
| ressure difference 0 psi haracteristic coil data 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA ermissible voltage fluctuations +/- 10 % oppose of the dium pressure 0 MPa 1 MPa ledium pressure 0 bar 10 bar ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s  | Pressure difference              | 0 MPa  |
| haracteristic coil data  110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA  ermissible voltage fluctuations  +/- 10 %  ymbol  ledium pressure  0 MPa 1 MPa  ledium pressure  0 bar 10 bar  ledium pressure  0 psi 145 psi  lax. viscosity  22 mm²/s   | Pressure difference              | 0 bar  |
| termissible voltage fluctuations +/- 10 %  ymbol 00992976  ledium pressure 0 MPa 1 MPa  ledium pressure 0 bar 10 bar  ledium pressure 0 psi 145 psi  lax. viscosity 22 mm²/s   | Pressure difference              | 0 psi  |
| ymbol 00992976 ledium pressure 0 MPa 1 MPa ledium pressure 0 bar 10 bar ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s  | Characteristic coil data         | 110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA |
| ledium pressure 0 MPa 1 MPa ledium pressure 0 bar 10 bar ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s   | Permissible voltage fluctuations | +/-10%   |
| ledium pressure 0 bar 10 bar 0 psi 145 psi 22 mm²/s  | Symbol                           | 00992976   |
| ledium pressure 0 psi 145 psi lax. viscosity 22 mm²/s  | Medium pressure                  | 0 MPa 1 MPa  |
| lax. viscosity 22 mm <sup>2</sup> /s   | Medium pressure                  | 0 bar 10 bar   |
| · · · · · · · · · · · · · · · · · · ·  | Medium pressure                  | 0 psi 145 psi  |
| ledia temperature -10 °C 80 °C   | Max. viscosity                   | 22 mm <sup>2</sup> /s  |
|  | Media temperature                | -10 °C 80 °C   |

| Feature   | Value  |
|---|--|
| Ambient temperature                                   | -10 °C 35 °C   |
| Leakage rate to EN 12266-1                            | A  |
| Flow rate Kv  | 2.2 m³/h   |
| Standard nominal flow rate (standardised to DIN 1343) | 2350 l/min   |
| Switching time on                                     | 130 ms   |
| Switching time off                                    | 180 ms   |
| Note on materials                                     | RoHS-compliant   |
| LABS (PWIS) conformity                                | VDMA24364 zone III   |
| Material housing                                      | Stainless steel casting  |
| Material number housing                               | 1.4581   |
| Material seals  | NBR  |
| Material screws                                       | High-alloy stainless steel   |
| Material number screw                                 | 1.4301   |
| Product weight  | 1000 g   |
| CE mark (see declaration of conformity)               | In accordance with EU Pressure Equipment Directive To EU Low Voltage Directive     |
| UKCA marking (see declaration of conformity)          | to UK Pressure Equipment Regulations<br>To UK regulations for electrical equipment |
| Degree of protection                                  | IP65   |
| Corrosion resistance class CRC                        | 3 - high corrosion stress  |