

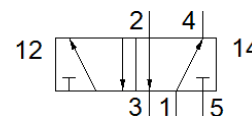
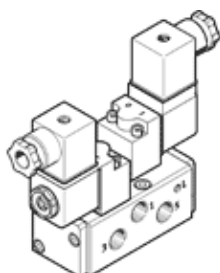
Solenoid valve

VSNB-F-B52-G14-1A1-EX4A

Part number: 547024
Product to be discontinued

FESTO

With NAMUR port pattern to VDE/VDI 3845, with solenoid coil and plug socket.



Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2 bistable |
| Type of actuation | electrical |
| Width | 44.5 mm |
| Standard nominal flow rate | 950 l/min |
| Working pressure | 2.5 ... 8 bar |
| Design structure | Piston slide |
| Protection class | IP65 |
| Nominal size | 8 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Conforms to standard | VDI/VDE 3845 (NAMUR) |
| Manual override | None |
| Type of piloting | Piloted |
| Flow direction | non reversible |
| Freedom from overlap | Yes |
| Pilot pressure | 2.5 ... 8 bar |
| Switching time reversal | 36 ms |
| Duty cycle | 100% |
| Required current consumption | 27 mA |
| Max. input power | 1.6 W |
| Max. input voltage | 28 V |
| Max. input current | 115 mA |
| effective inductivity | negligibly small |
| effective capacity | negligibly small |
| Permissible voltage fluctuation | -10 % / +15 % |
| ATEX category Gas | II 2G |
| Explosion ignition protection type Gas | Ex ia IIC T6 X |
| ATEX category Dust | II 2D |
| Explosion ignition protection type Dust | Ex tD A21 IP65 T80°C X |
| Explosion-proof ambient temperature | -20°C ≤ Ta ≤ +50°C |
| Certificate issuing department | PTB 09 ATEX 2043 |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| CE symbol (see declaration of conformity) | according to EU-Ex protection guideline (ATEX) |
| Corrosion resistance classification CRC | 2 |
| Medium temperature | -10 ... 60 °C |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:-:-] |
| Product weight | 740 g |
| Electrical connection | Per DIN EN 175301-803 Design A |
| Mounting type | On subbase |

| Feature | Value |
|---------------------------------|--|
| Scavenging orifice connection | M5 |
| Pneumatic connection, port 1 | G1/4 |
| Pneumatic connection, port 2 | Subbase |
| Pneumatic connection, port 3 | M5 |
| Pneumatic connection, port 4 | Subbase |
| Pneumatic connection, port 5 | G1/4 |
| Materials note | Contains PWIS substances Conforms to RoHS |
| Materials information for seals | HNBR NBR |
| Materials information, housing | Wrought Aluminum alloy Anodized |
| Screw material data | High alloy steel, non-corrosive |