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ISO 9001

spirax sarco

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CH Issue 4

DM Type Solenoid Valves for use with Piston Actuated Valves

Description

A 3-port two way electropneumatic pilot solenoid valve that can be directly mounted (banjo connection) to the PF51G and PF61G-NC, NO and BD series piston actuated valves.

Suitable for air or water operating media. The valve is supplied with a DIN connector and fitted with manual override as standard.

Available types

| Model | Actuator | Voltage/Frequency | Connection |
|-------|----------|----------------------|------------|
| DM11 | 45 mm | 230/50 or 240/60 Vac | 1/8" BSP |
| DM12 | 45 mm | 110/50 or 120/60 Vac | 1/8" BSP |
| DM13 | 45 mm | 24/50 or 24/60 Vac | 1/8" BSP |
| DM14 | 45 mm | 24 Vdc | 1/8" BSP |
| DM21 | 63 mm | 230/50 or 240/60 Vac | 1/4" BSP |
| DM22 | 63 mm | 110/50 or 120/60 Vac | 1/4" BSP |
| DM23 | 63 mm | 24/50 or 24/60 Vac | 1/4" BSP |
| DM24 | 63 mm | 24 Vdc | 1/4" BSP |
| DM31 | 90 mm | 230/50 or 240/60 Vac | 1/4" BSP |
| DM32 | 90 mm | 110/50 or 120/60 Vac | 1/4" BSP |
| DM33 | 90 mm | 24/50 or 24/60 Vac | 1/4" BSP |
| DM34 | 90 mm | 24 Vdc | 1/4" BSP |

Technical details

| | | |
|---------------------------|----------------------------|---|
| Mounting | Banjo connection | |
| Manual override | Fitted as standard | |
| DIN connector | Type B | DM11, DM12, DM13 and DM14 |
| | Type B | DM21, DM22, DM23 and DM24 |
| | Type A | DM31, DM32, DM33 and DM34 |
| Pilot media connection | DM11 to DM14 | Push in type to suit 6 mm dia. nylon or copper tube |
| | DM21 to DM24 | |
| | DM31 to DM34 | |
| Coil consumption | DM11, DM12, DM13 and DM14 | ac 10 VA (holding) |
| | | sc 16 VA (maximum) |
| | | dc 7 Watts |
| | DM21, DM22, DM23, and DM24 | ac 10 VA (holding) |
| | | ac 16 VA (maximum) |
| | | dc 7 Watts |
| DM31, DM32, DM33 and DM34 | ac 18 VA (holding) | |
| | ac 36 VA (maximum) | |
| | dc 14 Watts | |

Limiting conditions

| | |
|---------------------------|-------------------------------|
| Maximum media temperature | 60°C |
| Minimum media temperature | -10°C |
| Protection class | IP65 (with connector) |
| Operating pressure | 0 bar g min. to 10 bar g max. |

Materials

| Part | Material |
|------|--------------------------|
| Body | ELNP Niploy coated brass |
| Seal | FKM |

Spares parts

No spares are available for this product.

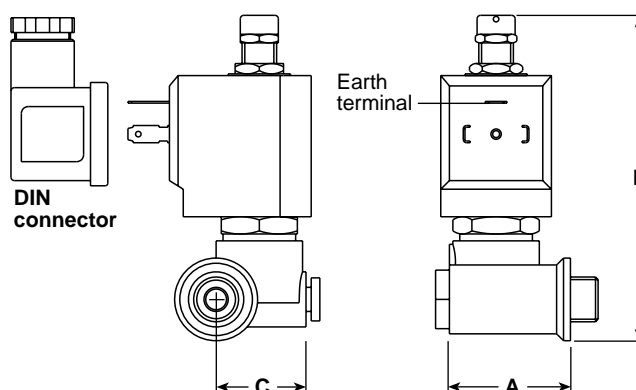
Installation

The valve can be directly mounted (banjo connection) onto the actuator.



Dimensions / weights (approximate) in mm and kg

| Type | A | B | C | Weight |
|---------------------------|----|----|----|--------|
| DM11, DM12, DM13 and DM14 | 31 | 77 | 27 | 0.27 |
| DM21, DM22, DM23 and DM24 | 35 | 78 | 27 | 0.27 |
| DM31, DM32, DM33 and DM34 | 35 | 95 | 27 | 0.38 |



How to order

Example: 1 off Spirax Sarco DM21 solenoid valve 240 Vac.

Local regulations may restrict the use of this product to below the conditions quoted.

In the interests of development and improvement of the product, we reserve the right to change the specification.

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