# SOLENOID VALVE ACCESSORIES AND SPARE PARTS WITH LOW ABSORPTION ELECTRIC COIL

## SOLENOID PILOT VALVES WITH BUILT-IN LOW ABSORPTION ELECTRICAL COIL

The solenoid valves are small three-way valves, driven by a built-in electric coil, capable of managing compressed air or vacuum, for driving solenoid valves.

The electric coils of the solenoid pilot valves are fully plastic-coated in synthetic resin, watertight, insulation class F (up to 155°C) as per standard EN 60664, with 3 mm two-terminal electrical connections for connectors in compliance with EN 175301-803 - C.

Protection degree IP 54; IP 65 with connector inserted.

Tolerance permitted on the nominal voltage value: ±10%
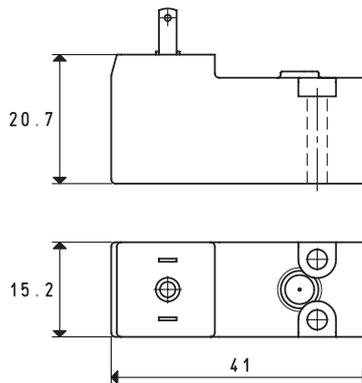
Tolerance permitted on the frequency value: ±5%

Room temperature: from -10 to +45°C

Fluid temperature: from -10 to +95°C

Electrical power: from 1 to 2 W.

Manual activation

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| Item | Service ED | Power W | Electrical voltage Volt | Pressure (bar) min | max | Weight g |
|---|---|---|---|---|---|---|
| **00 07 301** | 100% | 1 | 12 / 50 - 60Hz | 0 | 8 | 32 |
| **00 07 302** | 100% | 1 | 24 / 50 - 60Hz | 0 | 8 | 32 |
| **00 07 303** | 100% | 2 | 12 / DC | 0 | 8 | 32 |
| **00 07 304** | 100% | 2 | 24 / DC | 0 | 8 | 32 |
| | **For solenoid valves item** | | | | | |
| | 07 01 13 - 07 02 13 - 07 03 13 - 07 04 13 - 07 05 13 - 07 06 13 - 07 08 13 - 07 09 13 | | | | | |
| | 07 03 13 LP - 07 04 13 LP - 07 05 13 LP - 07 06 13 LP | | | | | |
| **00 07 305** | 100% | 1 | 12 / 50 - 60Hz | 0 | 1 | 32 |
| **00 07 306** | 100% | 1 | 24 / 50 - 60Hz | 0 | 1 | 32 |
| **00 07 307** | 100% | 2 | 12 / DC | 0 | 1 | 32 |
| **00 07 308** | 100% | 2 | 24 / DC | 0 | 1 | 32 |
| | **For solenoid valves item** | | | | | |
| | 07 03 43 - 07 04 43 - 07 05 43 | | | | | |

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)      inch = $\dfrac{mm}{25.4}$ ; pounds = $\dfrac{g}{453.6}$ = $\dfrac{Kg}{0.4536}$

# SOLENOID VALVE ACCESSORIES AND SPARE PARTS WITH LOW ABSORPTION ELECTRIC COIL

**BISTABLE IMPULSE SOLENOID PILOT VALVES WITH BUILT-IN LOW ABSORPTION ELECTRICAL COIL**

| Item | Service ED | Power W | Electrical voltage Volt | Pressure (bar) min | max | Weight g |
|---|---|---|---|---|---|---|
| **00 07 309** | 100% | 1 | 12 / DC | 0 | 8 | 30 |
| **00 07 310** | 100% | 1 | 24 / DC | 0 | 8 | 30 |
| | | | **For solenoid valves item** | | | |
| | | 07 01 53 - 07 02 53 - 07 03 53 - 07 04 53 - 07 05 53 - 07 06 53 - 07 08 53 - 07 09 53 | | | | |
| | | 07 03 53 LP - 07 04 53 LP - 07 05 53 LP - 07 06 53 LP | | | | |
| **00 07 311** | 100% | 1 | 12 / DC | 0 | 1 | 30 |
| **00 07 366** | 100% | 1 | 24 / DC | 0 | 1 | 30 |
| | | | **For solenoid valves item** | | | |
| | | 07 03 63 - 07 04 63 - 07 05 63 | | | | |

# SOLENOID PILOT VALVES WITH INTERFACE VALVES
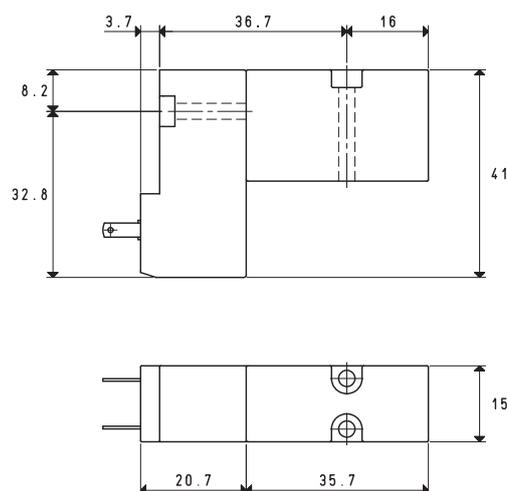
**SOLENOID PILOT VALVES WITH INTERFACE VALVES**

| Item | Pressure (bar) min | max | Weight g | Electrical voltage Volt | For solenoid valves item |
|---|---|---|---|---|---|
| **00 15 437** | 0 | 8 | 52 | 24 / DC | 07 06 13 - 07 06 13 LP - 07 08 13 - 07 09 13 |
| **00 07 411** | 0 | 8 | 52 | 24 / DC (bistable) | 07 06 53 - 07 06 53 LP - 07 08 53 - 07 09 53 |
| **00 07 412** | 0 | 8 | 52 | 24 / 50 - 60Hz | 07 06 13 - 07 06 13 LP - 07 08 13 - 07 09 13 |

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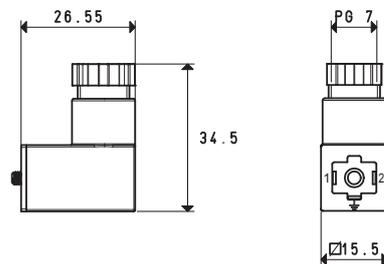
## CONNECTORS

Connectors are essential elements for bringing electricity to solenoid pilot valves with built-in low absorption coil.

They are available in the simple plug version, with a LED for signalling the presence of voltage and, upon request, with anti-interference circuits, with protection against overvoltage and polarity inversion. When correctly installed, all connectors provide full protection against water jets, according to EN 60529 standards (protection class IP 65).

Moreover, they meet EN 60664 standards, working voltage up to 250 V, overvoltage category II, Degree of use 3, regarding insulation class.

In all contacts, a snap joint between contact holders and the external protection guarantees a safe locking and easy assembly.

Safe locking is essential for guaranteeing the operator full protection when handling the connector. The contact holder can be easily extracted from its casing simply using a screwdriver. This operation also allows orienting the earthing contact in the desired direction.

### WIRING CONNECTORS FOR COILS

| Art. | Voltage | Nominal flow rate of contacts A | Connection | Form | Cable gland | Temperature in operation °C | Material | Weight g | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **00 15 157** | max 250V | max 10 | 2P+T | C | PG 7 | -40 ÷ +60 | Transparent plastic | 8 | With yellow LED |
| | | | | | **For coils item** | | | | |
| | | | | | 00 07 172 - 00 07 173 | | | | |
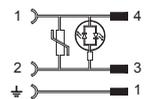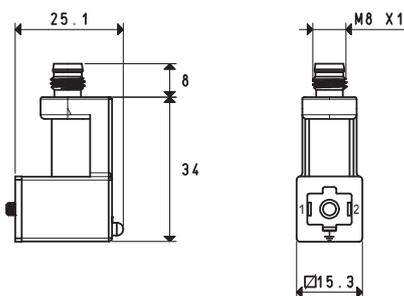
### M8 3 PIN CONNECTORS FOR COILS

| Art. | Voltage | Nominal flow rate of contacts A | Connection | Form | Connector | Temperature in operation °C | Material | Weight g | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **00 07 424** | V24DC - 24V/50 - 60Hz | max 4 | 2P+T | C | M8 3 pin | -40 ÷ +60 | Black plastic | 11 | With red LED and VDR |
| | | | | | **For coils item** | | | | |
| | | | | | 00 07 172 - 00 07 173 | | | | |

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