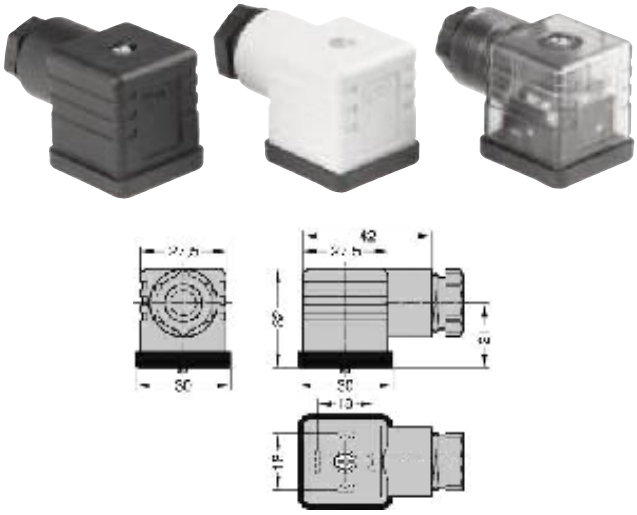
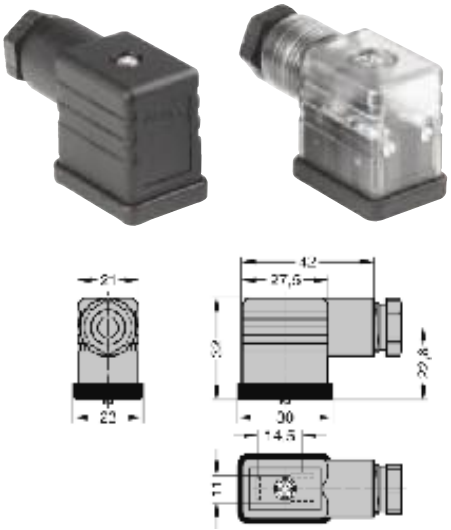
# Solenoid DIN Connectors

With cable gland entry EN175301-803 (Formerly DIN43650)

The Camozzi range of DIN connectors with cable gland entry offers flexibility and are suitable for a wide variety of applications.



| Form A (18mm pin spacing) Part Number | Type (LED Voltage AC/DC) | Cable Entry |
|---|---|---|
| **KA132000B9** | **Black Connector** | **PG9** |
| **KA132000A9** | **Grey Connector** | **PG9** |
| **KA132V54T9** | **Transparent (24V LED)** | **PG9** |
| **KA132V55T9** | **Transparent (115V LED)** | **PG9** |
| **KA132V56T9** | **Transparent (230V LED)** | **PG9** |
| Use with Camozzi Series 4 valves - 1/2, Series 6 and A80 coils | | |



| Industrial Form B (11mm pin spacing) Part Number | Type (LED Voltage AC/DC) | Cable Entry |
|---|---|---|
| **KB132000B9** | **Black Connector** | **PG9** |
| **KB132V54T9** | **Transparent (24V LED)** | **PG9** |
| **KB132V55T9** | **Transparent (115V LED)** | **PG9** |
| **KB132V56T9** | **Transparent (230V LED)** | **PG9** |
| Use with Camozzi Series A, Series 3, Series 4 and ISO valves and NAMUR valves | | |

## Technical Data

**Type**
Connector with cable gland entry: standard, mini and micro

**Operating Temperature**
-40°C to +90°C.

**Materials**
Connectors: Polyamide (glass fibre reinforced)
Profile gasket: NBR standard (Form A and B)
Flat gasket: NBR standard (Form C)
Screw: Form A and B - M3 x 32mm
Industrial Form C - M3 x 28mm
Form C - M2.5 x 28mm

**Insulation Group**
VDE 0110 1/89 - Class C

**Voltage**
Up to 250V AC or DC unless otherwise stated
Other voltages available on request

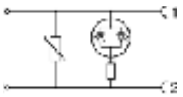
**Current**
10A (nominal) 16A (max) - Form A and B
6A (nominal) 10A (max) - Form C

**Contact Resistance**
≤4m Ω

**Protection Rating**
IP65 (when correctly assembled with fixing screw and gasket supplied)

**Cable Gland Size**
PG7 cable diameter 4 - 6mm
PG9 cable diameter 6 - 8mm

**LED Circuit Function**
Where an LED is required, the standard control circuit contains an amber bipolar LED to confirm supply voltage, and VDR (varistor) which protects the supply and load from over voltage.
The circuit can be used for AC or DC supply at the stated voltage

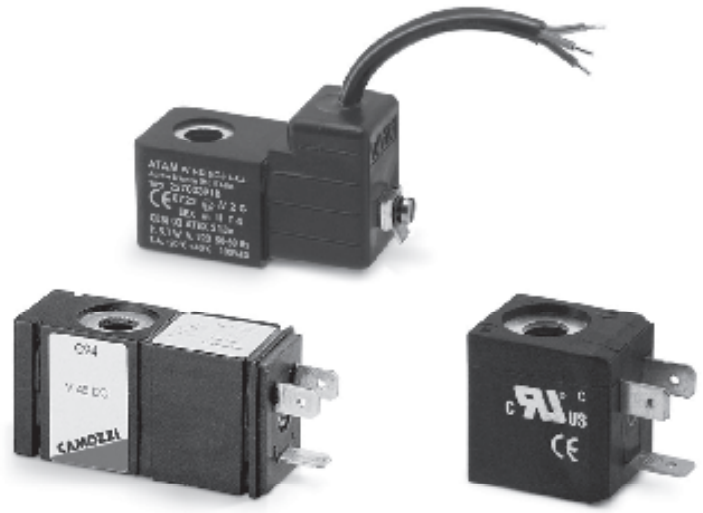


**Options**
LED in amber, red or green
Additional control circuit functions available.
Gaskets in profile or flat Form.
For solenoid connectors with moulded cable, see pages 2/44 and 45
For proximity switches, see page 1/42

**Special Requests**
For assistance, contact our technical office or your local Camozzi distributor.

# Solenoids U7* - U7*EX - G7* - A8* G93 - B* - H8* and GP*

Version A and B
Connection according to DIN 43650 and DIN 40050 standards



**The mechanical part of the tube in the solenoid valves Series A, 3, 4, 9 and NA allows the mounting of various types of solenoids.**

Mod. G9...: special solenoids with incorporated memory for pulsed operation.

Mod. H8...: explosion-proof solenoids suitable for potentially explosive ambients (ATEX).

Mod. U7...: solenoids available also with ATEX certification.

Mod. B...: to be used only with solenoid valves Series CFB (2/1.30).

Mod. GP...: in compliance with DIN EN 175301-803-C standards, they can be mounted only on Series AP proportional valves, size 16 mm.

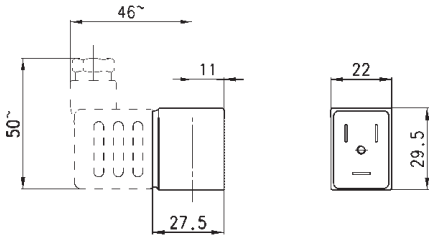
## GENERAL DATA

| | |
|---|---|
| **Wire insulation** | U7... / G7... / G93 = class F (155° C)<br>A8... = class H (180° C)<br>B... / H8... = class H (200° C) |
| **Protection class** | U7... / G7... / G93 = IP54 - DIN 40050<br>IP65 (with connector Mod. 122-800 and Mod. 122-800EX)<br>A8... / B... = IP54 - DIN 40050<br>IP65 (with connector Mod. 124-800)<br>H8... = IP64 |
| **Operation** | ED 100% |
| **Tolerance V AC** | Mod. A and U: -15% / +10%<br>Mod. B: ±10% |
| **Tolerance V DC** | Mod. A and U: ±10%<br>Mod. B: ±5% |

## Solenoids Mod. U7... / U7*EX and Mod. G7...

Connections: Bipolar plus earth DIN 43650 (vers. B)
Mod. U7*EX marked II 3 GD Eex nA T4
Solenoid material:
U7* = PET - G7* = PA

Note: to order the ATEX version it is necessary to add EX at the end of the code.



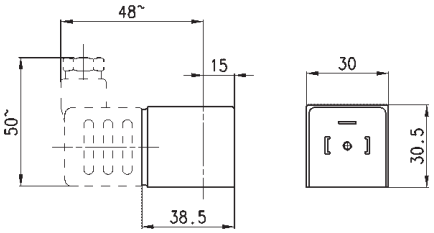

| Mod. | Sol. volt. (1) | Pow. abs. (1) | Sol. volt. (2) | Pow. abs. (2) | Sol. volt. (3) | Pow. abs. (3) |
|---|---|---|---|---|---|---|
| **U7H** | 12V DC | 3.1W | 24V - 50/6 Hz | 3.5VA | | |
| **G7H** | 12V DC | 3.1W | 24V - 50/60Hz | 3.5VA | | |
| **U7K** | 110V - 50/60Hz | 3.8VA | 125V - 50/60Hz | 5.5VA | 72V DC | 4.8 W |
| **U7K1** | 110V - 50/60Hz | 3.8VA | 125V - 50/60Hz | 5.5VA | 72V DC | 4.8 W |
| **G7K** | 110V - 50/60Hz | 3.8VA | 125V - 50/60Hz | 5.5VA | 72V DC | 4.8 W |
| **G7K1** | 110V - 50/60Hz | 3.8VA | 125V - 50/60Hz | 5.5VA | 72V DC | 4.8 W |
| **U7J** | 230V - 50/60Hz | 3.5VA | 240V - 50/60Hz | 4VA | | |
| **G7J** | 230V - 50/60Hz | 3.5VA | 240V - 50/60Hz | 4VA | | |
| **U79** | 48V DC | 3.1W | | | | |
| **G79** | 48V DC | 3.1W | | | | |
| **U710** | 110V DC | 3.2W | | | | |
| **G710** | 110V DC | 3.2W | | | | |
| **U77** | 24V DC | 3.1W | 48V - 50/60Hz | 3.5VA | | |
| **U771** | 24V DC | 3.1W | 48V - 50/60Hz | 3.5VA | | |
| **G77** | 24V DC | 3.1W | 48V - 50/60Hz | 3.5VA | | |
| **G771** | 24V DC | 3.1W | 48V - 50/60Hz | 3.5VA | | |
| **U7F** | 380V - 50/60Hz | 7VA | | | | |
| **U72** | 12V DC | 5W | | | | |
| **G72** | 12V DC | 5W | | | | |
| **U73** | 24V DC | 5W | | | | |
| **G73** | 24V DC | 5W | | | | |

Notes to the table:
Sol. volt. = Solenoid voltage
Pow. abs. = Power absorption

Mod. U7K1, G7K1, U771 and G771 are to be used only with sol. valves series A, NO in line.

## Solenoids Mod. A8...

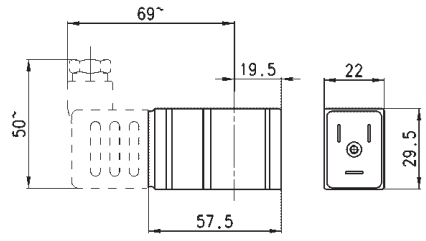
Connections: Bipolar plus earth DIN 43650 (version A)




| Mod. | Solenoid voltage | Power absorption |
|---|---|---|
| **A8B** | 24V - 50/60Hz | 5VA |
| **A8D** | 110V - 50/60Hz | 5VA |
| **A8E** | 220V - 50/60Hz | 5VA |
| **A83** | 24V DC | 4W |

## Solenoids Mod. G93 (with memory)

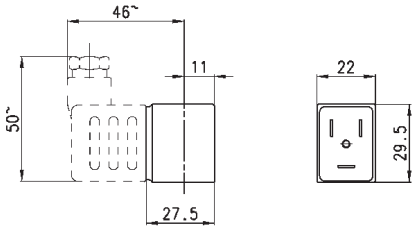
Voltage tolerance: DC and AC ±10%
Pulsed operation: see explanation



## Solenoids Mod. B7...

Connections: Bipolar plus earth DIN 43650 (vers. B)

Solenoid material: PA-MXD6

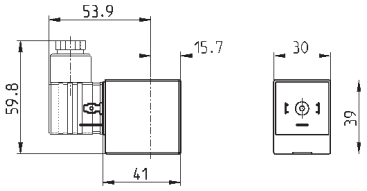



| Mod. | Solenoid voltage | Power absorption |
|---|---|---|
| **B7B** | 24 V - 50/60 Hz | 9 VA |
| **B7D** | 110 V - 50/60 Hz | 9 VA |
| **B7E** | 230 V - 50/60 Hz | 9 VA |
| **B72** | 12 V - DC | 10 W |
| **B73** | 24 V - DC | 10 W |

## Solenoids Mod. B8*K

Connections: Bipolar plus earth DIN 43650 (vers. A)

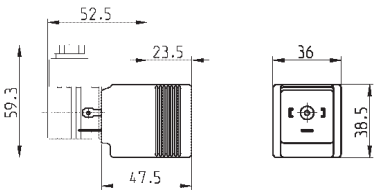
The B8*K models can be used only with some solenoid valves Series CFB (Mod. CFB-D1..., 2/2 NO).
For further information see the table on page 2/1.30.03.




| Mod. | Solenoid voltage | Power absorption |
|---|---|---|
| **B8B/B8BK** | 24 V - 50 Hz | 15 VA |
| **B8D/B8DK** | 110 V - 50/60 Hz | 15 VA |
| **B8E/B8EK** | 230 V - 50/60 Hz | 15 VA |
| **B82/B82K** | 12 V - DC | 19 W 19 W |
| **B83/B83K** | 24 V - DC | 19 W |

## Solenoids Mod. B9...

Connections: Bipolar plus earth DIN 43650 (vers. A)




| Mod. | Solenoid voltage | Power absorption |
|---|---|---|
| **B9B** | 24 V - 50 Hz | 29 VA |
| **B9D** | 110 V - 50/60 Hz | 29 VA |
| **B9E** | 230 V - 50 Hz | 29 VA |
| **B92** | 12 V - DC | 30 W |
| **B93** | 24 V - DC | 30 W |