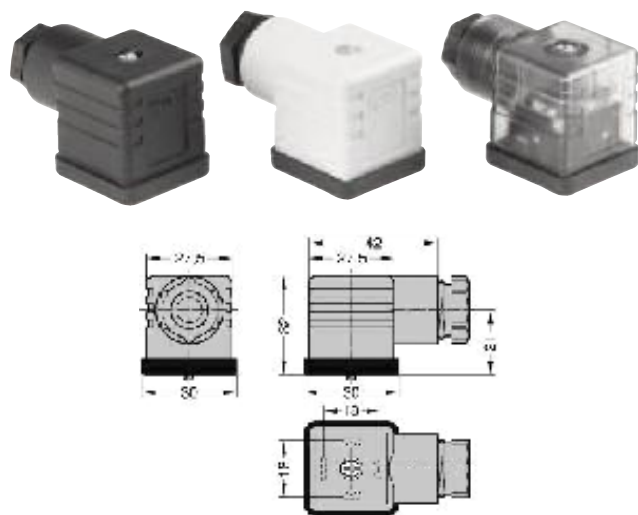


Solenoid DIN Connectors

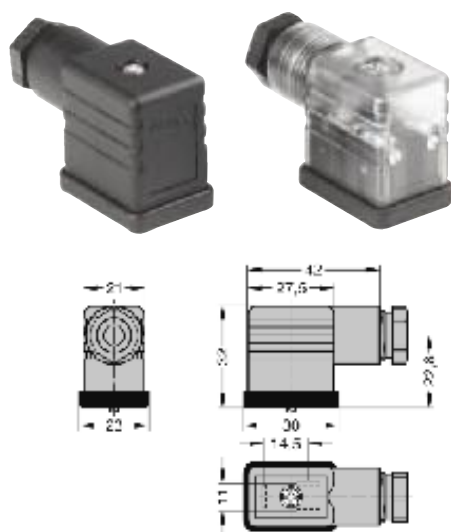
With cable gland entry EN175301-803 (Formerly DIN43650)

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)

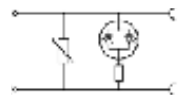
Cable Gland Size

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

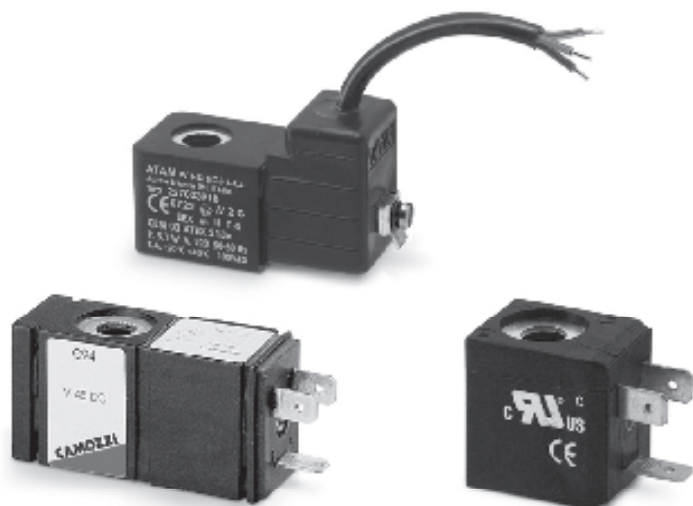
Special Requests

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

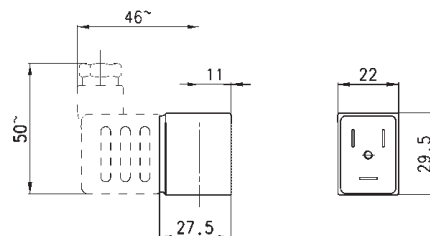
Wire insulation	U7... / G7... / G93 = class F (155° C) A8... = class H (180° C) B... / H8... = class H (200° C)
Protection class	U7... / G7... / G93 = IP54 - DIN 40050 IP65 (with connector Mod. 122-800 and Mod. 122-800EX) A8... / B... = IP54 - DIN 40050 IP65 (with connector Mod. 124-800) H8... = IP64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

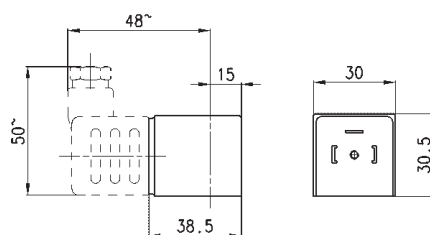
Notes to the table:
Sol. volt. = Solenoid voltage
Pow. abs. = Power absorption

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)

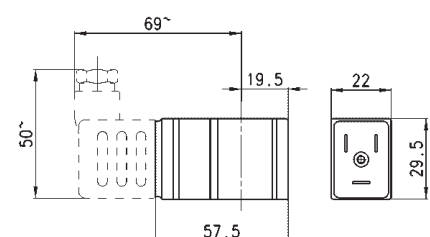


Mod.	Solenoid voltage	Power absorption
A8B	24V - 50/60Hz	5VA
A8D	110V - 50/60Hz	5VA
A8E	220V - 50/60Hz	5VA
A83	24V DC	4W

Solenoids Mod. G93 (with memory)



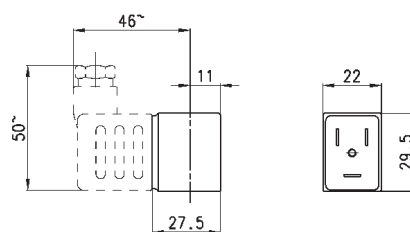
Voltage tolerance: DC and AC $\pm 10\%$
Pulsed operation: see explanation



Solenoids Mod. B7...

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

Solenoid material: PA-MXD6

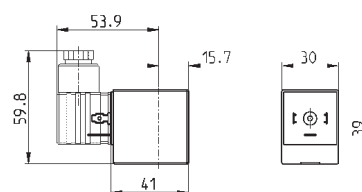


Mod.	Solenoid voltage	Power absorption
B7B	24 V - 50/60 Hz	9 VA
B7D	110 V - 50/60 Hz	9 VA
B7E	230 V - 50/60 Hz	9 VA
B72	12 V - DC	10 W
B73	24 V - DC	10 W

Solenoids Mod. B8*K

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

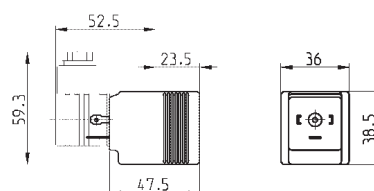
The B8*K models can be used only with some solenoid valves Series CFB (Mod. CFB-D1..., 2/2 NO).
For further information see the table on page 2/1.30.03.



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