

## Description of solenoids Mod. G9...

Solenoids Mod. G9... can be replaced on all other Series

A solenoid valves or pilots allowing to change the valve functioning from:

- unstable functioning system (spring return)

to:

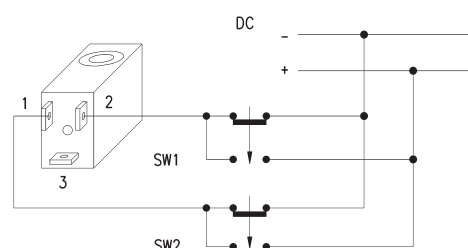
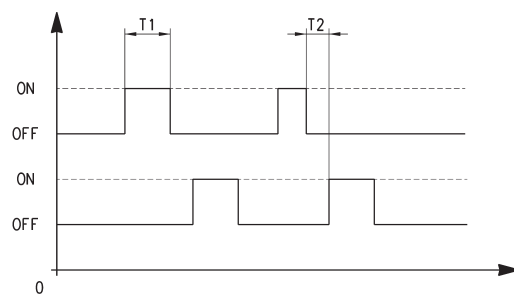
- stable functioning system (memory)

The stable functioning has the following advantages:

- with an impulse of about 20 ms after which the valve always remains in the controlled position.
- the valve remains in the controlled position (opened or closed) even if there is no power.
- when normally opened valves should be used, it is not necessary to use valves with special mechanical parts as a NC valve becomes a NO valve just by changing the control impulse sequence.
- The impulse control system facilitates the utilization with electronic circuits. The minimum required impulse for the function is 20 ms; if, for circuit reasons, the impulse last for a longer period, there is no danger of heating.
- magnet attraction command = Actuation SW1
- magnet release command = Actuation SW2

If the solenoids are mounted in batteries, a magnetic scheme type G90/L should be used.

To facilitate the cabling a special connector is available, which contains a circuit which realises the inversion of the power supply to the solenoid, indispensable for the PLC command, 122-892 P with common positive or 122-893 N with common negative.



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CONTROL

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

Electrical connection: bipolar plus earth

Norm: DIN EN 175 301-803-B

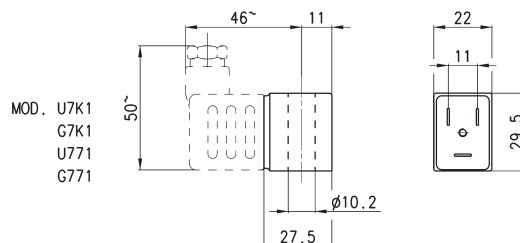
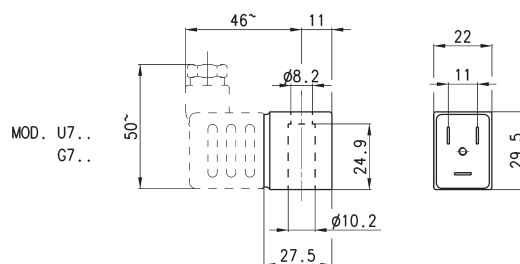
Solenoid material: U7\* = PET: G7\* = PA

To order the ATEX version of Mod. U7 (not available for Mod. U7F, U7K1 with voltage 125V 50/60Hz) it is necessary to add EX at the end of the code.

Mod. U7\*EX marked:

II 3G Ex nA IIC T4 Gc X IP65

II 3D Ex tc IIIC 130°C Dc X



Mod.	Sol. volt. (1)	Pow. abs. (1)	Sol. volt. (2)	Pow. abs. (2)	Sol. volt. (3)	Pow. abs. (3)
<b>U7H</b>	12 V DC	3.1 W	24V - 50/60 Hz	3.5 VA		
<b>G7H</b>	12 V DC	3.1 W	24V - 50/60Hz	3.5 VA		
<b>U7K</b>	110V - 50/60Hz	3.8 VA	125V - 50/60Hz	5.5 VA	72 V DC	4.8 W
<b>U7K1</b>	110V - 50/60Hz	5.8 VA	125V - 50/60Hz	8.3 VA	72 V DC	5.6 W
<b>G7K</b>	110V - 50/60Hz	3.8 VA	125V - 50/60Hz	5.5 VA	72 V DC	4.8 W
<b>G7K1</b>	110V - 50/60Hz	5.8 VA	125V - 50/60Hz	8.3 VA	72 V DC	5.6 W
<b>U7J</b>	230V - 50/60Hz	3.5 VA	240V - 50/60Hz	4 VA		
<b>G7J</b>	230V - 50/60Hz	3.5 VA	240V - 50/60Hz	4 VA		
<b>U79</b>	48 V DC	3.1 W				
<b>G79</b>	48 V DC	3.1 W				
<b>U710</b>	110 V DC	3.2 W				
<b>G710</b>	110 V DC	3.2 W				
<b>U77</b>	24 V DC	3.1 W	48V - 50/60Hz	3.8 VA		
<b>U771</b>	24 V DC	3.1 W	48V - 50/60Hz	3.8 VA		
<b>G77</b>	24 V DC	3.1 W	48V - 50/60Hz	3.8 VA		
<b>G771</b>	24 V DC	3.1 W	48V - 50/60Hz	3.8 VA		
<b>U7F</b>	380V - 50/60Hz	7 VA				
<b>U72</b>	12 V DC	5 W				
<b>G72</b>	12 V DC	5 W				
<b>U73</b>	24 V DC	5 W				
<b>G73</b>	24 V DC	5 W				

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.