

	Coil Type	Supply Voltage	oly Power Coil winding electronic components Ige Consum. resistance built-in coil connection cewki			c components connection cewki	Weight	Electromag dimer	gnet sleeve nsion*		
TABLE 1				T _c =20°C		Notes	[kg]	diameter [mm]	lenght [mm]		
	AC 230/25	230V AC	19 VA	2150,0 Ω	W + R + Pr + C		1,14	Ø27,5	60,5		
	AC 230/25B	230V AC	23 VA	2040,0 Ω	W + R + Pr + C		1,71	Ø27,5	60,5		
	AC 230/32	230V AC	25 VA	1939,0 Ω	W + R + Pr + C		2,11	Ø33	80,0		
	• AC 230/50	230V AC	45 VA	950,0 Ω	W + R + Pr + C		2,93	Ø40	91,0		
	AC 230/65	230V AC	55 VA	717,0 Ω	W + R + Pr + C		3,23	Ø40	91,0		
	AC 230/80	230V AC	80 VA	509,0 Ω	W + R + Pr + C		8,45	Ø52	122,0		
	AC 230/100	230V AC	85 VA	503,0 Ω	W + R + Pr + C		12,50	Ø52	122,0		
	AC-DC 24/25	24V AC DC	19 VA	23,2 Ω	R + Pr + C		1,16	Ø27,5	60,5		
	AC-DC 24/25B	24V AC DC	23 VA	22,1 Ω	R + Pr + C		1,75	Ø27,5	60,5		
	AC-DC 24/32	24V AC DC	25 VA	17,7 Ω	R + Pr + C		2,15	Ø33	80,0		
	AC-DC 24/50	24V AC DC	55 VA	9,5 Ω	R + Pr + C	Pr equipped in add. radiator	3,35	Ø40	91,0		
	AC-DC 24/80	24V AC DC	80 VA	4,7 Ω	R + Pr + C	radiator for Pr is	9,10	Ø52	122,0		
	AC-DC 24/100	24V AC DC	85 VA	4,5 Ω	R + Pr + C	connection housing (16)	13,20	Ø52	122,0		
	* - electromagnet sleeve is not a part of the coil										

OVERALL DIMENSIONS (mm)

Туре	Α	Dz	Dw	Р	Notes	
/25	60	69	27,5	95		
/25B	60	84	27,5	102	Fig. 1.	
/32	78	84	33.2	102		
/50	89	98	40,2	110		
/65	89	98	40,2	110		
/80*	120	130	52,2	132	Fig. 2	
/100*	120	154	52,2	144	i iy. 2.	

 + - coil types/80 i/100 equipped in additional metal housing of electrical connection - see Fig. 2. pos.15,16

CONSTRUCTION

- 1. power supply socket
- 2. plug-in socket
- 3. fastening screw
- 4. contact plug type U
- 5. protecting contact plug, flat
- 6. impedance coil Pg11
- 7. upper bonnet
- 8. filling compound epidian resin
- 9. coil reel
- 10. coil (winding from Cu)
- 11. coil metal housing
- 12. sealing ring (o-ring)
- 13. lower bonnet
- 14. orifice for electromagnet sleeve
- 15. supply cable bush
- 16. metal housing of electrical
- connection

INSTALLATION - basic assembly requirments:

- mounting position any
- It is recommended the vertical position of the coil and the electromagnet sleeve cooperating with. The final installation position is specified in the valve **Service Manual**, with which the coil cooperates.
- protecting the valve against heavy dust and flushing
- ensuring the correct operating temperature
- the protective conductor contact in the plug-in socket must be connected to the electrical system in accordance with the locally applied antielectrocution protection system
- the plug-in socket(12) can be fixed in 4 positions (each 90°) towards the socket
 refer only to coils .../25 to/65
- polarization of wire in conductor is indiffererent (apart from PE wire).
- recommended see Electrical termination

FLAMA-GAZ ELEKTROZAWORY S.C.

Coils AC-DC - data sheet

43-418 Pogwizdów k/Cieszyna, ul. Szkolna 3



Fig. 1.

Dw

Dz

T

15

16

- it is recommended to use a round power conductor with an outer diameter of 7.5 ÷ 11.9 mm. The condition of the specified outer diameter of the duct is critical due to its correct sealing in the cable gland of the socket. This seal determines the degree of protection IP54 for the connector.
- the maximum conductor wire size that can be inserted into the plug-in socket of the connection is 3 x 1.5 mm²
- if it is necessary to use a conductor with a larger wire size, use a tight, intermediate junction box with the degree of protection IP54 or higher

Modification without prior notice of technical specification reserved phone +48 33 856-85-70, fax +48 33 856-85-62, www.flamagaz.com, e-mail: firma@flamagaz.com

release 02/2019/KK

Fig. 2.

¥

Dw

Dz

(4	
(C) (R)	

Solenoid coil type UMO



* - electromagnet sleeve is not a part of the coil



CONSTRUCTION

- 1. fastening screw
- 2. plug-in socket
- 3. contact plug type U
- 4. protecting contact plug, flat
- 5. screw connecting protecting contact with keeper
- 6. upper orifice for coil fastening
- 7. metal keeper
- 8. coil reel
- 9. coil housing electro-insulating plastic SILAMID (injection)
- 10. coil (winding from Cu winded on reel)
- 11. orifice for electromagnet sleeve

OVERALL DIMENSIONS [mm]



INSTALLATION - basic assembly requirments:

- mounting position any It is recommended the vertical position of the coil and the electromagnet sleeve cooperating with. The final installation position is specified in the valve **Service Manual**, with which the coil cooperates.
- · protecting the valve against heavy dust and flushing
- ensuring the correct operating temperature
- the protective conductor contact in the plug-in socket must be connected to the electrical system in accordance with the locally applied antielectrocution protection system
- the plug-in socket(12) can be fixed in **4 positions** (each 90°) towards the socket
- polarization of wire in conductor is indiffererent (apart from PE wire).
- recommended see *Electrical termination*
- it is recommended to use a round power conductor with an outer diameter of 7.5 ÷ 11.9 mm.

The condition of the specified outer diameter of the duct is critical due to its correct sealing in the cable gland of the socket. This seal determines the degree of protection IP54 for the connector.

- the maximum conductor wire size that can be inserted into the plug-in socket of the connection is 3 x 1.5 mm²
- if it is necessary to use a conductor with a larger wire size, use a tight, intermediate junction box with the degree of protection IP54 or higher

ORDERING

Necessary information while ordering solenoid coil UMO:

- coil type
- possible option of accessories

example<u>:</u> Coil **UMO 26-00** ie. coil UMO control voltage AC 230V basic design

FLAMA-GAZ ELEKTROZAWORY S.C. 43-418 Pogwizdów k/Cieszyna, ul. Szkolna 3

Modification without prior notice of technical specification reserved phone +48 33 856-85-70, fax +48 33 856-85-62, www.flamagaz.com, e-mail: firma@flamagaz.com

Coil UMO - data sheet

release 02/2019/KK

page 2/2