

Solenoid Enclosures (Safe Area)

Series 2000 & 7000

Coils manufactured by Rotork Instruments are designed for continuous duty in conformity to the EN 60730 safety standards. They are encapsulated in a self-extinguishing synthetic material and offer high mechanical protection and excellent thermal dissipation. They are fully interchangeable on all Rotork Instruments solenoid valves, thereby reducing warehouse inventories.

Common Features

Electrical connection: fast on connection 6,3x0,8
Protection class: IP 65 (according to EN60529) - NEMA 4 (UL 50) with connector and gasket
Operation: continuous (ED 100%)
Voltage tolerance: AC +10% ÷ -15%
DC +10% ÷ -5%

Notes

All coils manufactured by Rotork Instruments with the RoHS Directive (2011/65/EU)
Insulation class according to EN 60730-1 see the below table
All windings are realised with class 'H' wires (180 °C)
Custom voltages and low power consumption available: please contact Sales Department
Minimum batch quantity required for some voltage ratings

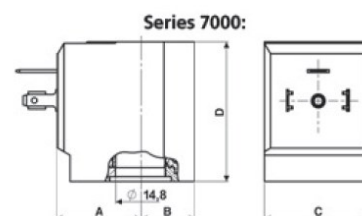
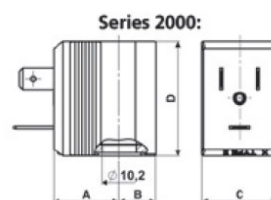


SERIES: 2000



SERIES: 7000

Dimensions & Weights		Series 2000	Series 7000
A	(mm)	19.5	25
B	(mm)	11.2	16
C	(mm)	22.3	32
D	(mm)	33.7	41.4
Weight	(kg)	0.060	0.146



Coils	Voltage	Power		Class	Ambient Temperature		Media Temperature ¹		
		Holding	Inrush		Min.	Max.	Min.	Max.	
Code	-			-					
215Q	12 VDC	7 W	—	F 155 °C	-10 °C	+50 °C	-10 °C	+130 °C	Series 2000 - Standard Connection: to DIN 46244
225Q	24 VDC	7 W	—						
275Q	230 VDC	7 W	—						
210Q	12 V / 50/60 Hz	10 VA	16 VA						
220Q	24 V / 50/60 Hz	10 VA	16 VA						
230Q	48 V / 50/60 Hz	10 VA	16 VA						
240Q	110 V / 50 Hz - 120 V / 60 Hz	10 VA	16 VA						
260Q	200 V / 50 Hz - 220 V / 60 Hz	10 VA	16 VA						
270Q	230 V / 50 Hz - 240 V / 60 Hz	10 VA	16 VA						
215R	12 VDC	6 W	—	F 155 °C	-10 °C	+60 °C	-10 °C	+130 °C	Series 200R - UL approved UL approved coils recognized component, file number E193928
225R	24 VDC	6 W	—						
220R	24 V / 50 Hz	9 VA	14 VA						
226R	24 V / 60 Hz	9 VA	14 VA						
240R	110 V / 50 Hz - 120 V / 60 Hz	9 VA	14 VA						
270R	230 V / 50 Hz - 240 V / 60 Hz	9 VA	14 VA						
B150	12 VDC	7 W	—	F 155 °C	-10 °C	+50 °C	-10 °C	+130 °C	Series B000 - Impregnated Impregnated coils for humid environments (e.g code B400)
B250	24 VDC	7 W	—						
B200	24 V / 50/60 Hz	10 VA	16 VA						
B400	110 V / 50 Hz - 120 V / 60 Hz	10 VA	16 VA						
B700	230 V / 50 Hz - 240 V / 60 Hz	10 VA	16 VA	H 180 °C	-10 °C	+70 °C	-10 °C	+130 °C	Series 2001 - Class 'H'
21V1	12 VDC	10 W	—						
22V1	24 VDC	10 W	—						

¹ Some valve configurations allow a max. fluid temperature up to 180 °C, please check valve datasheets.

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Coils	Voltage	Power		Class	Ambient Temperature		Media Temperature ¹		Series 7000 - Standard Connection: to DIN EN 175301-803 form A (ex DIN 43650-A) OPTIONS Impregnated coils for humid environments (e.g. code D400)
		Holding	Inrush		Min.	Max.	Min.	Max.	
Code	-			-					
715Q	12 VDC	14 W	—	F 155 °C	-10 °C	+50 °C	-10 °C	+130 °C	
725Q	24 VDC	14 W	—						
775Q	230 VDC	14 W	—						
710Q	12 V / 50/60 Hz	18 VA	36 VA						
720Q	24 V / 50/60 Hz	18 VA	36 VA						
730Q	48 V / 50/60 Hz	18 VA	36 VA						
740Q	110 V / 50 Hz - 120 V / 60 Hz	18 VA	36 VA						
760Q	200 V / 50 Hz - 220 V / 60 Hz	18 VA	36 VA						
770Q	230 V / 50 Hz - 240 V / 60 Hz	18 VA	36 VA						
725R	24 VDC	10 W	—	F 155 °C	-10 °C	+60 °C	-10 °C	+130 °C	Series 700R - UL approved UL approved coils recognized component, file number E193928
720R	24 V / 50 Hz	15 VA	30 VA						
740R	110 V / 50 Hz - 120 V / 60 Hz	15 VA	30 VA						
770R	230 V / 50 Hz - 240 V / 60 Hz	15 VA	30 VA	H 180 °C	-10 °C	+70 °C	-10 °C	+130 °C	Series 7001 - Class 'H' OPTIONS Impregnated coils for humid environments (e.g. code D701)
7251	24 VDC	14 W	—						
7201	24 V / 50/60 Hz	18 VA	36 VA						
7401	110 V / 50 Hz - 120 V / 60 Hz	18 VA	36 VA						
7701	230 V / 50 Hz - 24 V / 60 Hz	18 VA	36 VA	H 180 °C	-10 °C	+70 °C	-10 °C	+130 °C	Series 700Q - High Power OPTIONS Impregnated coils for humid environments (e.g. code D7K1)
7121	12 VDC	22 W	—						
7221	24 VDC	22 W	—						
72K1	24 V / 50/60 Hz	25 VA	50 VA						
74K1	110 V / 50 Hz - 120 V / 60 Hz	25 VA	50 VA						
77K1	230 V / 50 Hz - 240 V / 60 Hz	25 VA	50 VA						

Solenoid Enclosures (Hazardous Area)

Explosion-proof / Weatherproof

Protection Class: EEx m II 2GD T4

Certificate No: PTB 03 ATEX 2086 X, IECEx PTB 05.0005X

Weatherproof to IP65

Technical Specification

Winding insulation: Class F

Material: Thermoplastic

Electrical Entry: 3 m wired cable, with ferrules.

Applicable to the following valve types: N2, N3.

