Coils for M&M branded solenoid valves

M&M International coils 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 M&M International solenoid valves, thereby reducing warehouse inventories.



SERIES: 2000



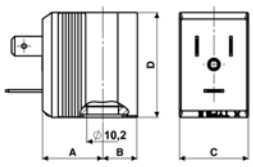
SERIES: 7000

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% to -15%
DC +10% to -5%

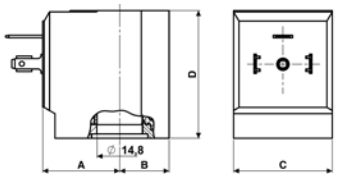
Notes
All coils manufactured under M&M brand comply with the RoHS Directive (2011/65/EU)
Insulation class according to EN 60730-1 see the below table
All windings are realised with class 'H' wires (180 °C)
Custom voltages and low power consumption available: please contact M&M Instruments Sales Department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

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

Series 2000:



Series 7000:



Coils	Voltage	Power		Class	Ambient Temperature		Media Temperature[1]	
Code	**-**	**Holding**	**Inrush**	**-**	**Min.**	**Max.**	**Min.**	**Max.**
215<u>0</u>	12 VDC	7 W	–	F 155 °C	-10 °C	+50 °C	-10 °C	+130 °C
225<u>0</u>	24 VDC	7 W	–					
275<u>0</u>	230 VDC	7 W	–					
210<u>0</u>	12 V / 50/60 Hz	10 VA	16 VA					
220<u>0</u>	24 V / 50/60 Hz	10 VA	16 VA					
230<u>0</u>	48 V / 50/60 Hz	10 VA	16 VA					
240<u>0</u>	110 V / 50 Hz - 120 V / 60 Hz	10 VA	16 VA					
260<u>0</u>	200 V / 50 Hz - 220 V / 60 Hz	10 VA	16 VA					
270<u>0</u>	230 V / 50 Hz - 240 V / 60 Hz	10 VA	16 VA					
215<u>R</u>	12 VDC	6 W	–	F 155 °C	-10 °C	+60 °C	-10 °C	+130 °C
225<u>R</u>	24 VDC	6 W	–					
220<u>R</u>	24 V / 50 Hz	9 VA	14 VA					
226<u>R</u>	24 V / 60 Hz	9 VA	14 VA					
240<u>R</u>	110 V / 50 Hz - 120 V / 60 Hz	9 VA	14 VA					
270<u>R</u>	230 V / 50 Hz - 240 V / 60 Hz	9 VA	14 VA					
<u>B</u>150	12 VDC	7 W	–	F 155 °C	-10 °C	+50 °C	-10 °C	+130 °C
<u>B</u>250	24 VDC	7 W	–					
<u>B</u>200	24 V / 50/60 Hz	10 VA	16 VA					
<u>B</u>400	110 V / 50 Hz - 120 V / 60 Hz	10 VA	16 VA					
<u>B</u>700	230 V / 50 Hz - 240 V / 60 Hz	10 VA	16 VA					
21V<u>1</u>	12 VDC	10 W	–	H 180 °C	-10 °C	+70 °C	-10 °C	+130 °C
22V<u>1</u>	24 VDC	10 W	–					

Series 2000 - Standard
Connection: to DIN 46244

Series 200<u>R</u> - UL approved
UL approved coils recognized component, file number E193928

Series <u>B</u>000 - Impregnated
Impregnated coils for humid environments (e.g code <u>B</u>400)

Series 200<u>1</u> - Class 'H'

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

Coils for M&M branded solenoid valves

Coils	Voltage	Power		Class	Ambient Temperature		Media Temperature[1]	
Code	-	Holding	Inrush	-	Min.	Max.	Min.	Max.
7150	12 VDC	14 W	–	F 155 °C	-10 °C	+50 °C	-10 °C	+130 °C
7250	24 VDC	14 W	–					
7750	230 VDC	14 W	–					
7100	12 V / 50/60 Hz	18 VA	36 VA					
7200	24 V / 50/60 Hz	18 VA	36 VA					
7300	48 V / 50/60 Hz	18 VA	36 VA					
7400	110 V / 50 Hz - 120 V / 60 Hz	18 VA	36 VA					
7600	200 V / 50 Hz - 220 V / 60 Hz	18 VA	36 VA					
7700	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
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					
7251	24 VDC	14 W	–	H 180 °C	-10 °C	+70 °C	-10 °C	+130 °C
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					
71Z1	12 VDC	22 W	–	H 180 °C	-10 °C	+70 °C	-10 °C	+130 °C
72Z1	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					

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

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)

Series 700R - UL approved

UL approved coils recognized component, file number E193928

Series 7001 - Class 'H'

OPTIONS

Impregnated coils for humid environments (e.g. code D701)

Series 7000 - High Power

OPTIONS

Impregnated coils for humid environments (e.g. code D7K1)