

## COILS FOR M&M INTERNATIONAL SOLENOID VALVES

Coils manufactured by M&M International 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.

### 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

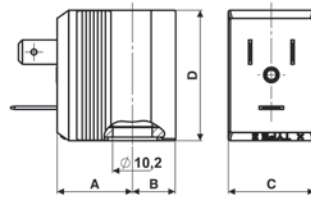
All coils manufactured by M&M International comply with the RoHS Directive (2011/65/EU)

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 Sales Department. **Minimum batch quantity required for some voltage ratings.**

DIMENSIONS & WEIGHTS		Series 2000
<b>A</b>	[mm]	19.5
<b>B</b>	[mm]	11.2
<b>C</b>	[mm]	22.3
<b>D</b>	[mm]	33.7
<b>weight</b>	[kg]	0.060



### SERIES: 2000



COILS	voltage	power		class	ambient temperature		media temperature ①	
		holding	inrush		min.	max.	min.	max.
<b>2150</b>	12v DC	7w	—	F 155°C	-10°C	+50°C	-10°C	+130°C
<b>2250</b>	24v DC	7w	—					
<b>2750</b>	230v DC	7w	—					
<b>2100</b>	12v 50/60Hz	10vA	16vA					
<b>2200</b>	24v 50/60Hz	10vA	16vA					
<b>2300</b>	48v 50/60Hz	10vA	16vA					
<b>2400</b>	110v 50Hz - 120v 60Hz	10vA	16vA					
<b>2600</b>	200v 50Hz - 220v 60Hz	10vA	16vA					
<b>2700</b>	230v 50Hz - 240v 60Hz	10vA	16vA					
<b>215R</b>	12v DC	6w	—	F 155°C	-10°C	+60°C	-10°C	+130°C
<b>225R</b>	24v DC	6w	—					
<b>220R</b>	24v 50Hz	9vA	14vA					
<b>226R</b>	24v 60Hz	9vA	14vA					
<b>240R</b>	110v 50Hz - 120v 60Hz	9vA	14vA					
<b>270R</b>	230v 50Hz - 240v 60Hz	9vA	14vA					
<b>B150</b>	12v DC	7w	—	F 155°C	-10°C	+50°C	-10°C	+130°C
<b>B250</b>	24v DC	7w	—					
<b>B200</b>	24v 50/60Hz	10vA	16vA					
<b>B400</b>	110v 50Hz - 120v 60Hz	10vA	16vA					
<b>B700</b>	230v 50Hz - 240v 60Hz	10vA	16vA					
<b>21V1</b>	12v DC	10w	—	H 180°C	-10°C	+70°C	-10°C	+130°C
<b>22V1</b>	24v DC	10w	—					

### SERIES 2000 - Standard

Connection: to DIN 46244

### SERIES 200R - UL approved

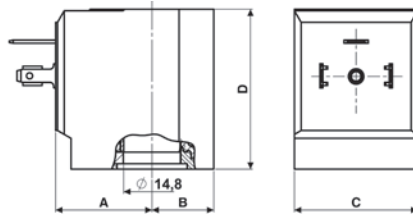
UL approved coils recognized component, file number E193928

### SERIES B000 - Impregnated

Impregnated coils for humid environments (e.g. code B400)

### SERIES 2001 - Class 'H'

DIMENSIONS & WEIGHTS		Series 7000
A	[mm]	25
B	[mm]	16
C	[mm]	32
D	[mm]	41.4
weight	[kg]	0.146


**SERIES: 7000**


COILS	voltage	power		class	ambient temperature		media temperature ①	
		holding	inrush		min.	max.	min.	max.
code	-			-				
<b>7150</b>	12v DC	14w	-	F 155°C	-10°C	+50°C	-10°C	+130°C
<b>7250</b>	24v DC	14w	-					
<b>7750</b>	230v DC	14w	-					
<b>7100</b>	12v 50/60Hz	18vA	36vA					
<b>7200</b>	24v 50/60Hz	18vA	36vA					
<b>7300</b>	48v 50/60Hz	18vA	36vA					
<b>7400</b>	110v 50Hz - 120v 60Hz	18vA	36vA					
<b>7600</b>	200v 50Hz - 220v 60Hz	18vA	36vA					
<b>7700</b>	230v 50Hz - 240v 60Hz	18vA	36vA	F 155°C	-10°C	+60°C	-10°C	+130°C
<b>725R</b>	24v DC	10w	-					
<b>720R</b>	24v 50Hz	15vA	30vA					
<b>740R</b>	110v 50Hz - 120v 60Hz	15vA	30vA					
<b>770R</b>	230v 50Hz - 240v 60Hz	15vA	30vA	H 180°C	-10°C	+70°C	-10°C	+130°C
<b>7251</b>	24v DC	14w	-					
<b>7201</b>	24v 50/60Hz	18vA	36vA					
<b>7401</b>	110v 50Hz - 120v 60Hz	18vA	36vA					
<b>7701</b>	230v 50Hz - 240v 60Hz	18vA	36vA	H 180°C	-10°C	+70°C	-10°C	+130°C
<b>71Z1</b>	12v DC	22w	-					
<b>72Z1</b>	24v DC	22w	-					
<b>72K1</b>	24v 50/60Hz	25vA	50vA					
<b>74K1</b>	110v 50Hz - 120v 60Hz	25vA	50vA					
<b>77K1</b>	230v 50Hz - 240v 60Hz	25vA	50vA					

**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)