

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

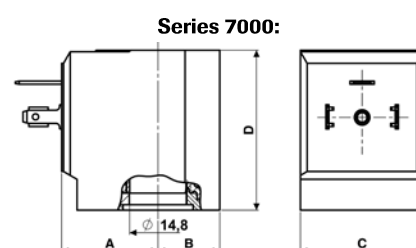
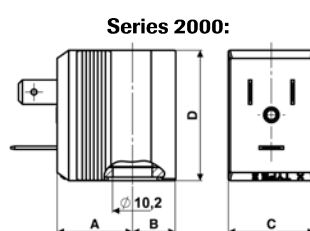
SERIES: 2000



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

① The manufacturer recommends a max. fluid temperature of 180°C when allowed by valve configuration

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'

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

① The manufacturer recommends a max. fluid temperature of 180°C when allowed by valve configuration

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)

DIN CONNECTORS FOR M&M INTERNATIONAL SOLENOID VALVES

Coil connectors provide the safest flexible system for connecting M&M International solenoid valves and give a protection class of IP65. They are designed and made of synthetic material offering a high level of electrical insulation. Compliance with UL 1977 and VDE Regulations.

COMMON FEATURES

Rated voltage (max.): 250V AC / 300V DC

Nominal current: 10 A (Rated) / 16A (max.)

Wire cross-section: 1.5 mm² (max.)

Cable entry: PG9 (6 ÷ 8 mm)

Protection class: IP 65 (only with gasket)

Insulation class: group C - VDE 0110

Housing colour: black

OPTIONS

Connectors with protection circuits

Connectors with LED

Connectors with flying leads

Other versions available upon request and depending on quantity: please contact M&M Sales Department.

NOTES

Connectors are supplied with thermoplastic rubber bordered gasket, fixing screw and preinstalled position with ground H 12 (the connector can be spinned when connected)

TYPE: 600 001-

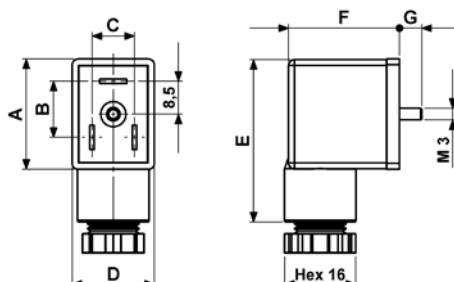


TYPE: 600 011-



DIMENSIONS & WEIGHTS		600001-	600011-
A	[mm]	28.5	27.7
B	[mm]	14.5	18
C	[mm]	11	18
D	[mm]	21.5	27.7
E	[mm]	41.2	41
F	[mm]	28.8	26.8
G	[mm]	5.5	5.5
weight	[kg]	0.019	0.020

TYPE: 600 001-



TYPE: 600 011-

