

COILS FOR M&M INTERNATIONAL SOLENOID VALVES

Coils manufactured by M&M International are designed for continuous duty in conformity to the EN60730 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.

TECHNICAL DATA

Electrical connection : faston connection 6.3x0.8 (DIN 46340)

series 2000: connection to DIN 46244

series 7000: connection to DIN 43650A

Protection class: IP65 (with connector) - EN 60529

Insulation class: "F" and "H" EN60730

Voltage tolerance: +10% ÷ -15% AC / ± 5% DC

Operation: continuous

Coil power:

	SERIES 2000	SERIES 7000
AC	10VA	18VA (holding)
AC	16VA	36VA (inrush)
DC	7W	14W

SERIES: 2000/7000

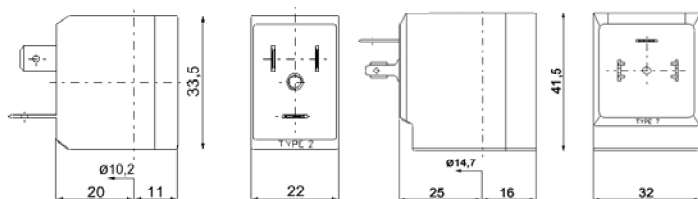


OPTIONS

Series 7000 coils with insulation class "H" (e. g. coil 7251)

UL Approved coils (series 2000 and 7000) (e. g. coil 240R)

DIMENSIONS & WEIGHTS



Series 2000: Kg 0.060

Series 7000: Kg 0.146

VOLTAGE & FREQUENCY

Code Series 2000	Code Series 7000	(volts/Hz)
2150	7150	12/dc
2250	7250	24/dc
2200	7200	24/50-60
2400	7400	110/50 - 120/60
2600	7600	200/50 - 220/60
2700	7700	230/50 - 240/60

DIN CONNECTORS FOR 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.

TECHNICAL DATA

Rated voltage (Max.): 250V AC-300V DC

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

Wire cross-section: 1.5 mm² (Max.)

Cable diameter: 6-8 mm (PG9)

Protection class: IP65 - EN 60529

Insulation class: group C - VDE 0110

Colour: black

Supplied with screw and NBR gasket

OPTIONS

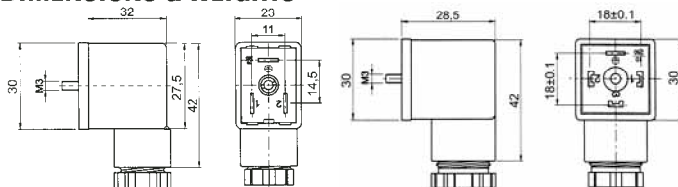
Connectors with protection circuits

Connectors with LED

SERIES: 600 001 000/011 000



DIMENSIONS & WEIGHTS



For coil series 2000 - Series 600 001 000: 0.019 kg

For coil series 7000 - Series 600 011 000: 0.020 kg

SPULEN FÜR M&M INTERNATIONAL MAGNETVENTILE

Die von M&M International in Eigenfertigung hergestellten Magnetspulen entsprechen dem aktuellen Sicherheitsstandard nach EN60730 für Dauerbetrieb.

Sie sind aus synthetischem, schwer entflammbarem Material vergossen und gewähren somit eine hohe mechanische Sicherheit in Verbindung mit einer ausgezeichneten Wärmeableitung. Bedingt durch die einfache Austauschbarkeit der Spulen in den unterschiedlichen Spannungsbereichen von Gleich- und Wechselstrom wird die Lagerhaltung vereinfacht.

TECHNISCHE DATEN

Serie **2000**: Anschluss zu DIN 46244

Elektrischer Anschluss: Schnellkupplung 6.3x0.8

Serie **7000/8000**: Anschluss zu DIN EN 175301-803 Form A (früher DIN 43650-A)

Schutzart: IP 65 (CEI EN60529) - NEMA 4 (UL 50) mit Gerätestecker und Dichtung

Temperaturklasse (nach EN60730): "F" und "H"

Einschaltdauer: Dauerbetrieb

Spannungstoleranzen:	AC	DC
SERIE 2000/7000/8000	+10% ÷ -15%	+10% ÷ -5%

Spuleleistungsaufnahme:	AC	DC
SERIE 2000	10VA (Betrieb) 16VA (Anzug)	7W

SERIE 7000	18VA (Betrieb) 36VA (Anzug)	14W
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SERIE 8000	12VA (Betrieb) 24VA (Anzug)	10W
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SERIE: 2000 - 7000 - 8000



WEITERE AUSFÜHRUNGEN

Magnetspulen der Serien 2000/7000 in Temperaturklasse "H": z. B. Bezeichnung 7251

UL-geprüfte Magnetspulen der Serien 2000 und 7000: z. B. Bezeichnung 240R

Magnetspulen mit Imprägnierung für Anwendung in besonders feuchten Umgebungen: z. B. Bez. B400 für Serie 2000, D700 für Serie 7000 und E250 für Serie 8000. Nur mit Gerätestecker und Dichtung (siehe Seite 45 für weitere Informationen)

AUSWAHLTABELLE

BEZEICHNUNG	Spannung	Leistungsaufnahme		Klasse	Umgebungstemp		Mediumtemperatur		ED
		Betrieb	Anzug		min	max	min	max	
2250	24V DC	7W	—	"F" 155°C	-10°C	+50°C	-10°C	+130°C	100%
2200	24V 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						
7250	24V DC	14W	—						
7200	24V 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						
8250	24V DC	10W	—						
8200	24V 50/60Hz	12VA	24VA						
8400	110V 50Hz - 120V 60Hz	12VA	24VA						
8600	200V 50Hz - 220V 60Hz	12VA	24VA						
8700	230V 50Hz - 240V 60Hz	12VA	24VA						

Sonderspannungen und kleine Leistungsaufnahmen auf Anfrage verfügbar.
Bitte setzen Sie sich mit M&M Verkaufsabteilung in Verbindung.

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TECHNICAL DATA

Series 2000 : connection to DIN 46244		
Electrical connection: fast on connection 6.3x0.8		
Series 7000/8000 : connection to DIN EN 175301-803 form A (ex DIN 43650-A)		
Protection class: IP 65 (CEI EN60529) - NEMA 4 (UL 50) with connector and gasket		
Insulation class (compliant with EN60730): "F" and "H"		
Operation: continuous		
Voltage tolerance:	AC	DC
SERIES 2000/7000/8000	+10% ÷ -15%	+10% ÷ -5%
Coil power:	AC	DC
SERIES 2000	10VA (holding) 16VA (inrush)	7W
SERIES 7000	18VA (holding) 36VA (inrush)	14W
SERIES 8000	12VA (holding) 24VA (inrush)	10W

OPTIONS

Class "H" insulation coils series 2000/7000: e.g. coil 7251
 UL Approved coils series 2000/7000: e.g. coil 240R
 Impregnated coils for use with applications in specially damp /humid environments: e.g. coil B400 for series 2000, D700 for series 7000 and E250 for series 8000. To be used absolutely with connector and gasket (see page 45 for more information)

SERIES: 2000 - 7000 - 8000



SELECTION TABLE

CODE	voltage	power		class	ambient temp.		media temp.		ED
		holding	inrush		min	max	min	max	
2250	24V DC	7W	—	"F" 155°C	-10°C	+50°C	-10°C	+130°C	100%
2200	24V 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						
7250	24V DC	14W	—						
7200	24V 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						
8250	24V DC	10W	—						
8200	24V 50/60Hz	12VA	24VA						
8400	110V 50Hz - 120V 60Hz	12VA	24VA						
8600	200V 50Hz - 220V 60Hz	12VA	24VA						
8700	230V 50Hz - 240V 60Hz	12VA	24VA						

Custom voltages and low power consumption available: please contact M&M Sales Department.