

EM5000 series Electromagnetic Weatherproof outdoor Gatelock



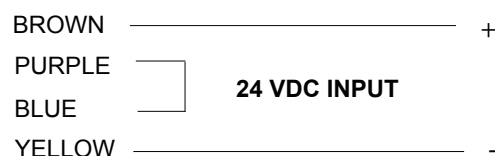
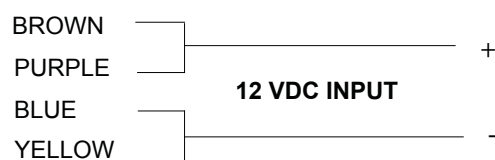
General Description

EM5000G series have passed to the highest grade 4 hours Fire lab test that no other competitor has done. They are weather resistant electromagnetic lock in stainless steel casing providing superior aesthetically appearance and has no residual magnetism issues with no need for spring rebound action. It has built-in varistor (MOV) for spike and surge protection against damage and can operates on dual 12/24Vdc voltage with Lock Status Sensor (LSS) , it is designed for external gates, sliding door and various types of indoor applications. EM5000 series is a Fail-Safe lock with holding force up to and over 680Kgs. The lock can be surface or mortise installed in dual fixing arrangement on the front or by the side.

Features in EM5000 Series

EM5000 Series	Description
Fire test certified	4 hours
Weatherproof	IP67
Body case	Stainless steel
Residual magnetism	None
High Holding Force	> 680 kgs
CE certified	EMC directive compliance
ROHS compliance	ROHS 3

Wiring configuration



REED SWITCH
CONTACT RATING:
30VDC,0.2 AMP MAX.

RED ———— NC
 BLACK ———— C
 GREEN ———— NO

EM5000 Technical Specifications

SPECIFICATION	EM5000 SERIES
Dimension	Body: 225L x 63W x 44H (mm) Armature Plate: 190L x 61W x 16H (mm)
Operating Voltage	12VDC / 24VDC $\pm 15\%$
Operating Current	480mA @12VDC / 240mA @24VDC
Holding Force	Up to > 680 kgs
Dynamic Impact Resistance	Up to 160J, AS 4145.2-2008
Life endurance	Tested to over 1 million cycles
Output & Signals	Lock Status Output (LSS)[#] Form A (N.O.), Max 30VDC; Max 0.2A
Surface Finish	1st grade zinc plating for anti-corrosion
Residual Magnetism	No Spring Rebound Mechanism on armature plate is required to counter residual magnetism
Operating Temperature	-10°C ~ 60°C
Operating Humidity	80% (non-condensing)
Weight	5 kgs
Standard Packing	4 pcs/carton

Ordering Information

MODEL NUMBER	DESCRIPTION
EM5000G	Conduit head connector Can be Front and Side mount
EM5000S	Side mount Wire harness not exposed
EM5000F	Face mount Wire harness not exposed

Accessories

MODEL NUMBER	DESCRIPTION
L & Z 5000G	In-swing door bracket
ALB 5000	A/P L bracket
MLB 5000	Magnet L bracket

Warranty: 2 year warranty

Standard and Compliance



(Applied)



(Applied)



(Applied)

BS EN 1634-1:2014 Fire rated 4 hours
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 BS 476-22:1987 Fire rated 4 hours