

FEATURES

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RS PRO Access Control Door Magnet, 2000N Holding Force 24V dc

RS Stock No.: 791-7567



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

A range of RS PRO electro-holding magnets. An electrical current is required to turn the magnet on and power is removed to turn the magnet off. Applications may feature security doors, laboratories, or any other environment where remote door operation is needed via door magnets.

Options available:

[785-8519](#) - 20 mm Dia. 12 V Electro Holding Magnet, 53N

[785-8512](#) - 20 mm Dia. 24 V Electro Holding Magnet, 53N

[791-7558](#) - 80 mm Dia. 12 V Electro Holding Magnet, 2000N

[791-7567](#) - 80 mm Dia. 24 V Electro Holding Magnet, 2000N

[121-9828](#) - 100 mm Dia. 12 V Electro magnet, 3600N

[121-9829](#) - 100 mm Dia. 24 V Electro magnet, 3600N

General Specifications

AC or DC Operation	DC
Failure Mode	No
Finish	Bright Nickel Plated with Machined Face
Application	Machine Mechanisms, Door/Guard Locking & Remote Hold/Release Requirements
Mountings	Threaded holes in rear face

Electrical Specifications

Supply Voltage	24Vdc
Power Consumption	13.3W
Current Draw	210mA at 12Vdc; 100mA at 24Vdc

Mechanical Specifications

Holding Force	2000N
Diameter	80mm
Height	10mm
Weight	1.203kg
εD rating	100%

Protection Category

IP Rating

IP 54

Approvals

Compliance/Certifications

RoHS Certificate Of Compliance



Pull gaps

Air gap (mm)	Magnetic Pull* (N)
0.00	2000.0
0.09	1560.0
0.18	1117.0
0.27	715.0
0.36	567.0
0.59	283.0
1.00	130.0

* +/- 10%

To achieve the optimum pull force 100% contact area must be achieved using the recommended armature plate. The force will be affected if other material specifications, thicknesses and surfaces are used, or if the armature fails to make positive contact over the full diameter of the face of the magnet. Where misalignment is likely to be an issue we recommend that an oversized armature plate is used to ensure 100% full contact, this however will reduce the stated pull force by approximately 10%.

Dimensions

