



Datasheet

Stock No: 121-9828

ENGLISH

RS Pro Electro-holding magnet Energise to hold, 12VDC Operating voltage, 100mm diameter



Pull gaps

Air gap (mm)	Magnetic Pull* (N)
0.00	3600
0.09	2790
0.18	2230
0.27	1610
0.36	1360
0.59	1340
1.00	470
1.59	260
2.00	150
4.00	60

* +/- 10% at room temperature

Description

Mountings	Threaded holes in rear face
Finish	Bright nickel plated with machined face
Product weight	2.2kg

Technical Data

Typical holding force	3600N
ED rating	100%
IP Rating	54
Standard operating voltage	12VDC (1219828) 24VDC (1219829)
Current	12V - 1850mA 24V - 940mA
Power consumption	2.2W

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

