

Datasheet

Electro-Holding Magnet

RS Stock number 785-8512



Description

Mountings: Threaded holes in rear face

Finish: Bright nickel plated with machined face

Product weight: 36g

Technical Data

Typical holding force: 53N

εD rating: 100%

IP Rating: 54

Standard operating voltage: 12VDC (7858519)
24VDC (7858512)

Current: 12V - 210mA
24V - 100mA

Power consumption: 2.4W

Connection type

12VDC and 24VDC Free leads (500mm long)

Recommended armature plate

Finish: Bright nickel plated
 Diameter: 25mm
 Part No. 7393264
 Weight: 15g



Pull gaps

| Air gap (mm) | Magnetic Pull* (N) |
|-----------------|-----------------------|
| 0.00 | 53 |
| 0.09 | 22 |
| 0.18 | 9 |
| 0.27 | 5 |
| 0.36 | 3 |
| 0.59 | 2 |
| 1.00 | 1 |

* +/- 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

