

## Datasheet

Electro-holding magnet

# Energise to hold 30mm diameter

**12VDC or 24VDC** Operating voltage

**Part numbers** 7393258, 7393249



## Description

Mountings	<b>Threaded holes in rear face</b>
Finish	<b>Bright nickel plated with machined face</b>
Product weight	<b>108g</b>

## Technical Data

Typical holding force	<b>280N</b>
ED rating	<b>100%</b>
IP Rating	<b>54</b>
Standard operating voltage	<b>12VDC (7393258)</b> <b>24VDC (7393249)</b>
Current	<b>12V - 280mA</b> <b>24V - 140mA</b>
Power consumption	<b>3.36W</b>
Ambient working temperature	<b>35°C</b>

## Pull gaps

Air gap (mm)	Magnetic Pull* (N)
0.00	280
0.09	149
0.18	80
0.27	43
0.36	26
0.59	12
1.00	5
1.59	2
2.00	2

\* +/- 10%

### Connection type

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

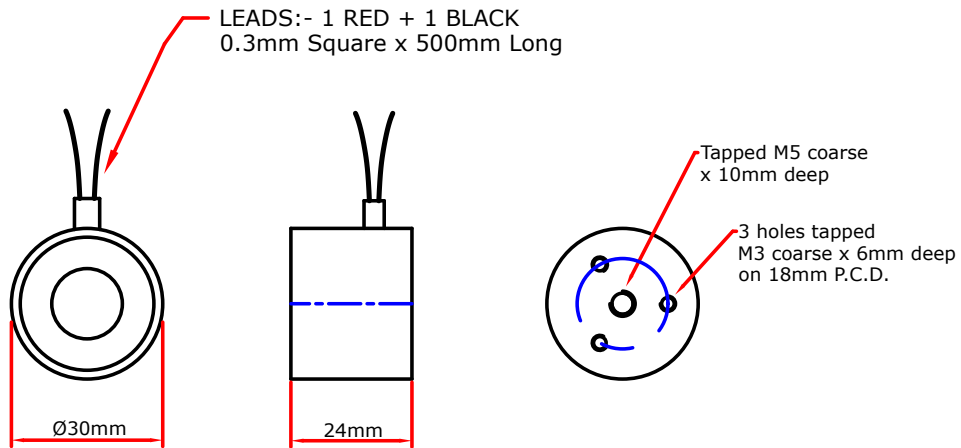
### Recommended armature plate



Finish	<b>Bright nickel plated</b>
Diameter	<b>30mm</b>
Part No.	<b>7393211</b>
Weight	<b>30g</b>

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



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