

Electromagnet 500kg, 5000N, 120x70mm

Product codes:

Reference: AM8649

EAN13: -

UPC: 85059021

Product features:

Performance: 50 W

Thread: M14

Holding force: 5 000 N

Waterproof grade: IP65

Type: Magnetizing



Product attributes:

Tension: 12 V DC, 24 V DC

Product description:

The fully encapsulated electromagnet is designed for industrial applications requiring the holding of ferromagnetic parts using a DC power supply. The design is made in a compact cylindrical design with an outlet cable. The product is available in 12 V and 24 V variants.

Technical specifications

- Product type: fully encapsulated solenoid
- Holding force: 5000 N
- Equivalent holding force: 500 kg
- Supply voltage: 12 V DC or 24 V DC (depending on variant)
- Power consumption: 50 W
- Limit temperature: 103 °C
- Dimensions: 120 x 70 mm
- Thread size: M14
- Cable length: 200 mm

Functions and features

- Fully encapsulated design for industrial use
- Round design with flat adhesive surface
- Connection using a power cable
- Mechanical attachment using M14 thread
- Designed to hold ferromagnetic materials after applying power

Ideal for

- Industrial clamping and holding of metal parts
- Automation and handling technology
- Integrated fixtures, holders and fixation systems
- 12V or 24V DC applications

Package contents

- 1 pc electromagnet 120x70mm

Why choose this product?

- Known holding force 5000 N
- Fully encapsulated design suitable for technical and industrial applications
- Availability of two voltage variants for integration into various DC systems
- Compact dimensions while maintaining high holding force

Installation and operating instructions

- Before first use, it is necessary to clean the adhesive surface.
- For proper operation, it is necessary to use the appropriate supply voltage variant of 12 V DC or 24 V DC.
- Install the electromagnet via the M14 thread into a solid structure suitable for the operating load.
- During operation, it is necessary to respect the temperature limit of 103 °C.

Safety notice

- Incorrect power connection may result in damage to the solenoid or supply line.
 - Heating occurs during operation, therefore it is necessary to ensure appropriate thermal conditions and not exceed the limit temperature.
 - When handling a held load, it is necessary to take into account that the holding force depends on the condition and cleanliness of the contact surface.
 - Installation into the device must be carried out in such a way that a dangerously secured part cannot fall or become loose in the event of a power failure.
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- Installation in industrial equipment should be carried out by a person with appropriate electrical qualifications.

Product gallery:

