

Shutter CDR030

Bistable optical shutter CDR030

Based on the bistable rotary solenoid CDR030, Kendrion offers a bistable shutter in the field of optical safety technology that enables currentless holding in both end positions. The built-in permanent magnets hold the end positions. This makes the magnet design very energy-saving.

The CDR030 shutter is also characterised by its high reliability and long service life of 20 million switching cycles. In addition, the shutter has a typical closing time of 30ms.

The simple control makes the bistable shutter suitable for a wide range of applications for interrupting light beams.

As a manufacturer of shutters and rotary solenoids for laser applications, Kendrion has a wealth of experience and develops individual solutions for customer applications.



Features

- End positions are held permanently magnetically
- Energy-saving due to currentless holding
- Position detection optional
- Damping optional

| Technical Data ¹ | Shutter CDR030 / bistable |
|-----------------------------|---|
| Supply voltage | 12 and 24 V DC (another voltage on request) |
| Diameter magnet | 30 mm |
| Rotation angle | 60°, 90° (another rotation angle on request) |
| Typical closing time | 30 ms |
| Switching frequency | Up to 30 Hz |
| Service life | 20 million switching cycles |
| Operating temperature | -5 °C... +35 °C |
| Blade material | Black anodized aluminium |
| Mounting | Clamp, flanges (detail information available) |

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