

Optical Beam Shutter Line

Solenoid Technology

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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