



Bistable relay OB 5623

With 8 forcibly guided contacts
for energy-efficient design

DOLD 

Specialized applications need relays that maintain their switching position if supply voltage fails, thereby preventing a loss of information on the current switched state. The **bistable OB 5623**, with its unique construction, was developed for these applications. In addition, this relay stands out for its good vibration and shock resistance.

Short switching pulses of just a few milliseconds bring the relay into a defined switched position. Only a low rated power of 1.2 W (lock) and 0.7 W (unlock) is required. The holding power is **0 Watt!** This saves a large amount of energy and reduces self-heating. Designing today, for tomorrow. Let the energy revolution come.

The special feature of forcibly guided contacts (DIN EN 61810-3) enables reliable detection of the contact position. These features make the **OB 5623** destined for use in challenging applications. If desired, you can purchase the relay as a manually-operated version (switch position indicator). Both designs of the OB 5623 offer a temperature range of up to 75° C. They are available with contact materials silver-nickel (AgNi) or silver-nickel + hard gold plating.

Advantages and customer benefit

- ▶ Energy efficient
Low rated power to change the switching position, no holding power
- ▶ Optionally available with contact opening 1.0 mm in fault free condition
- ▶ Forcibly guided contacts in accordance with DIN EN 61810-3
- ▶ Compact size, short overall height 15.8 mm
- ▶ Safe separation between all circuits;
For applications at contamination level: 2; with rated insulation voltage 250 V
- ▶ Wide temperature range
- ▶ Optionally available with manual activation (switched position display)
- ▶ Wash-proof design (not with manually operated design)

Our experience. Your safety.

Bistable relay OB 5623

Technical features

OB 5623

Overall height	▶ 15.8 mm
Base area	▶ 83 x 22 mm
Rated consumption	▶ 1.2 W / 0.7 W
Switching current	▶ 10 mA to 8 A
Contacts	▶ 8 4NO/4NC, others upon request
Contact material	▶ AgNi, AgNi + hard gold plating
Temperature range	▶ - 40 ... + 75° C
Approvals	▶ TÜV, cRUus (in preparation)

Order information

The contact materials AgNi and AgNi + hard gold plating are available. Double contacts are also available upon request. When used with our popular mini crown, currents from 10 mA to 8 A can be switched reliably. Since almost all coil voltages between 6 V and 110 V are available, you will receive a safety relay designed for your specific application.
Please feel free to ask any questions you may have.

Areas of application

- ▶ Railway and signaling technologies
- ▶ Automation
- ▶ Medical devices
- ▶ Radio and remote control technology
- ▶ Firing technology
- ▶ Process technology

The right relay for every safety-critical application. Safety relays from DOLD are available in a wide range of contact variations, shapes, and sizes. We also produce customer-specific designs.
 And what can we do for you?

Bistable relays in compact design



OR 5691



OB 5690



OB 5693



OB 5694

Safety relays with forcibly guided contacts



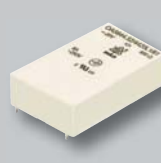
OA 5601
OA 5602
OA 5603



OA 5611
OA 5612



OA 5621
OA 5622
OA 5623



OA 5642
OA 5643
OA 5644



OA 5667



OA 5669
OA 5670



OB 5623
With manual activation



OB 5623
Without manual activation

Further information

Start

www.dold.com

DOLD

E. DOLD & SÖHNE KG
 P.O. Box 1251 • 78114 Furtwangen • Germany
 Tel. +49 7723 6540 • Fax +49 7723 654356
 dold-relays@dold.com • www.dold.com