



DOLD



Bistable relay OB 5623

With 8 forcibly guided contacts
for energy-efficient design

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.

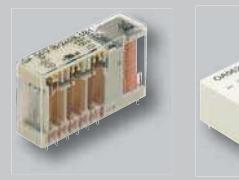
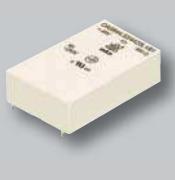
The special feature of forcibly guided contacts (DIN EN 61810-3) enables reliable detection of the contact position. These features make the **OB 5623** destined for use in challenging applications. If desired, you can purchase the relay as a manually-operated version (switch position indicator). Both 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.

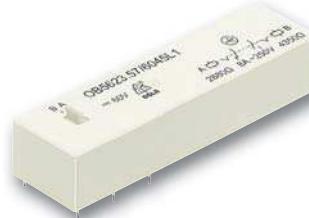
Advantages and customer benefit

- 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 250V
- 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

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| 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, cRUs (in preparation) |
| Order information | <p>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.</p> <p>Please feel free to ask any questions you may have.</p> |
| Areas of application | <ul style="list-style-type: none">► Railway and signaling technologies► Automation► Medical devices► Radio and remote control technology► Firing technology► Process technology <p>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.</p> <p>And what can we do for you?</p> |
| 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 |
| Further information | OB 5623  www.dold.com |



OB 5623
With manual activation



OB 5623
Without manual activation



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