



## Bistable relay OB 5623

**DOLD** 

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 relay 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)

**Our experience. Your safety.**

# Bistable relay OB 5623

## Technical features

### OB 5623

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

## 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 bistable 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 your application. Bistable relays from DOLD are available in a wide range of contact variants and designs.  
 And what can we do for you?

## Bistable relays in compact design



OR 5691



OB 5693



OB 5694

## Safety relays with forcibly guided contacts



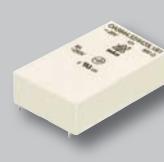
OA 5601  
OA 5602  
OA 5603



OA 5611  
OA 5612



OA 5621  
OA 5622  
OA 5623



OA 5642  
OA 5643  
OA 5644



OA 5667



OA 5669  
OA 5670

## Further information

Start

[www.dold.com](http://www.dold.com)



OB 5623  
With manual activation



OB 5623  
Without manual activation



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