



## Safety relays OA 5621/22/23

**DOLD** 

### Up to 8 forcibly guided contacts - monostable

In safety-critical applications in which relays with forcibly guided contacts (in accordance with DIN EN 61810-3) are used, a compact size and shape are especially important, as is a high level of switching reliability. In addition, this relay stands out for its good vibration and shock resistance.

The **safety relays OA 5621** and **OA 5622** have enjoyed great success on the market for many years. Now, our existing relay family with 4 and 6 poles is growing adding new designs. The **8-pole safety relay OA 5623** responds to the need for more contacts in an even more compact design. With a short overall height of just 15.8 mm and a small base area, it can be easily installed in safety switching devices with only 22.5 mm width.

Reducing the coil voltage makes it possible to lower the holding power to a quarter of rated power. The relays are wash proof (RT III), have a temperature range of up to 80° C, and are available with contact materials of silver tin oxide (AgSnO<sub>2</sub>) and silver-nickel (AgNi), as well as hard gold plating.

#### Advantages and customer benefit

- ▶ Compact size, short overall height
- ▶ Optionally available with contact opening 1.0 mm in fault free condition
- ▶ Low rated and holding power
- ▶ Safe separation between all circuits;  
for applications at contamination level: 2; with rated insulation voltage 250 V
- ▶ Optionally available with gold plated double contacts (OA 5621, OA 5622)
- ▶ Common pin arrangement of relays family
- ▶ Wide temperature range
- ▶ Optionally available with offset pins for optimized spacing and a simpler layout design
- ▶ Wash-proof design

**Our experience. Your safety.**

# Safety relays OA 5621, OA 5622, OA 5623

Technical features	OA 5621	OA 5622	OA 5623
Overall height	▶ 15.5 mm	15.5 mm	15.8 mm
Base area	▶ 46.5 x 22 mm	55 x 22 mm	67 x 22 mm
Rated consumption	▶ 0.6 W	0.8 W	1.2 W
Switching current	▶ 10 mA to 8 A	10 mA to 8 A	10 mA to 8 A
Contacts	▶ 4 2NO/2NC; 3NO/1NC	6 3NO/3NC; 4NO/2NC; 5NO/1NC	8 7NO/1NC; 6NO/2NC; 5NO/3NC; 4NO/4NC;
Contact material	▶ AgSnO <sub>2</sub> , AgNi, AgNi + hard gold plating		
Temperature range	▶ - 40 ... + 80° C		
Approvals	▶ cRUus, TÜV		



OA 5621



OA 5622



OA 5623

**Order information**

The contact materials AgSnO<sub>2</sub>, 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
  - ▶ Elevator 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?

## Safety relays with high switching capacity



OA 5601



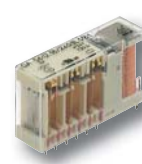
OA 5602



OA 5603



OA 5611



OA 5612

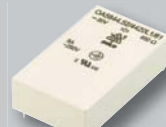
## Safety relays in compact design



OA 5642



OA 5643



OA 5644



OA 5667



OA 5669



OA 5670

## Further information

OA 5623

Start

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**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