

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 ($AgSnO_2$) 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	$AgSnO_2$, AgNi, AgNi + hard gold plating		
Temperature range	- 40 ... + 80° C	- 40 ... + 80° C	- 40 ... + 80° C
Approvals	cRUus, TÜV	cRUus, TÜV	cRUus, TÜV



OA 5621



OA 5622



OA 5623

Order information

The contact materials $AgSnO_2$, AgNi and AgNi + hard gold plating are available. Double contacts are also available upon request (OA 5621, OA 5622). 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?

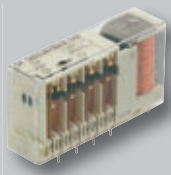
Safety relays with high switching capacity



OA 5601



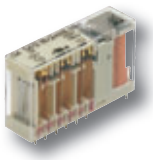
OA 5602



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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