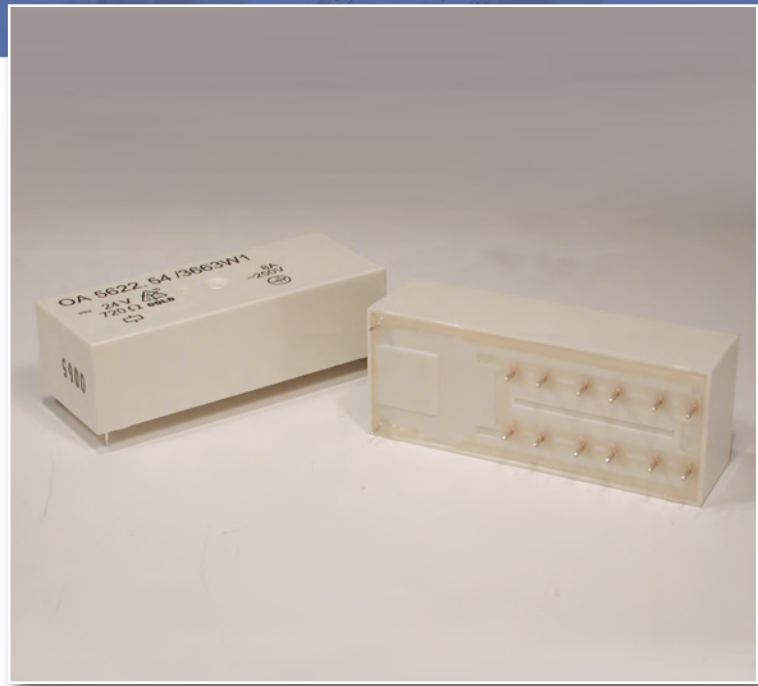


Safety Relay OA 5622 / OA 5622S

Features

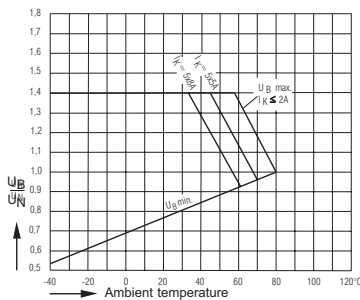
- 6 output contacts
- International approvals:
TÜV, UL, cUL
- Quality control check for each safety relay
- Forced-guided contacts, all gold flash plated
- Contact Gap > 0.5 mm throughout life of relay
- Various contact materials,
mixed contact material optional
- High coil voltage range
- High breakdown voltage: contact/coil ≥ 4 KV
contact/contact ≥ 4 KV
- High creeping distance: contact/coil ≥ 5.5 mm
contact/contact ≥ 5.5 mm
- Protection Rating RTIII wash proof
- Custom design available,
 - coil voltage
 - coil resistance
 - contact pressure
 - operate/release time
 - gold plated double contacts
- Standard Pack: 20 piece sleeve or 200 piece case



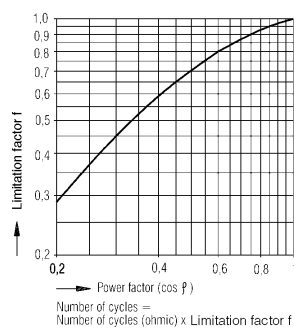
Technical Data

- **Nominal Coil Voltage**6, 12, 24, 48, 60, 110, DC
- **Coil Power Dissipation***0.8 W
- **Min./Max. Switching Voltage**AC/DC10V / 250VDC, 400VAC¹
- **Min./Max. Switching Current**10mA / 8 A (5 x 8A simultaneous)¹
- **Min./Max. Switching Power – DC**0.1W / 200W¹
- **Min./Max. Switching Power – AC**0.1VA / 2000VA¹
- **Contact Switching Rate**10 operations per second
- **Relay Operate Time**12 ms
- **Relay Release Time**8 ms
- **Operation Vibration**0.35 mm Ampl. max
.....@ 10...200Hz, 5g max
- **Contact Arrangements**2NO/4NC, 3NO/3NC, 4NO/2NC, 5NO/1NC
- **Contact Material**AgNi10+0.2 μ mAu
.....AgSnO₂+0.2 μ mAu, AgNi10+5 μ mAu
- **Mechanical Life**>20x10⁶ operation cycles
- **Electrical Life**AgSnO₂ >1.5x10⁵, AgNi10 >10⁵
.....operation cycles @ 230V AC, 8A, cos ϕ =1
- **Ambient Temperature**-40...+80°C
- **Cover Material**Polyamide 6
- **Weight**38 g
- **Wave Solder Temperature/Duration**260°C/5s
- More detailed data upon request

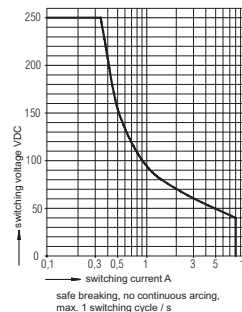
Diagrams



Relay operation voltage vs. ambient temperature



Limitation factor for inductive loads



Maximum switching power curve

¹ AgNi10+5 μ mAu contact material has limited switching capacity (Min./Max. 2V/60VAC/DC, 2mA/0.3A, 10mVA/12VA, 10mW/12W)

*2NO/4NC: 0.9W

Relay Data

Ordering Information

Rated Voltage	Voltage Range	Coil Resistance (10%)	2 NO/4 NC Type	Coil Resistance (10%)	3 NO/3 NC Type	4 NO/2 NC Type	5 NO/1 NC Type
6V	4.5 - 8.4V	38 Ω	56.OA22.0624□	45 Ω	56.OA22.0633□	56.OA22.0642□	56.OA22.0651□
12V	9.0 - 16.8V	150 Ω	56.OA22.1224□	180 Ω	56.OA22.1233□	56.OA22.1242□	56.OA22.1251□
24V	18.0 - 33.6V	600 Ω	56.OA22.2424□	720 Ω	56.OA22.2433□	56.OA22.2442□	56.OA22.2451□
48V	36.0 - 67.2V	2425 Ω	56.OA22.4824□	2880 Ω	56.OA22.4833□	56.OA22.4842□	56.OA22.4851□
60V	45.0 - 84.0V	3790 Ω	56.OA22.6024□	4500 Ω	56.OA22.6033□	56.OA22.6042□	56.OA22.6051□
110V	82.5 - 154.0V	12735 Ω	56.OA22.1124□	15125 Ω	56.OA22.1133□	56.OA22.1142□	56.OA22.1151□

For S-Type:

Please specify **S** when ordering:

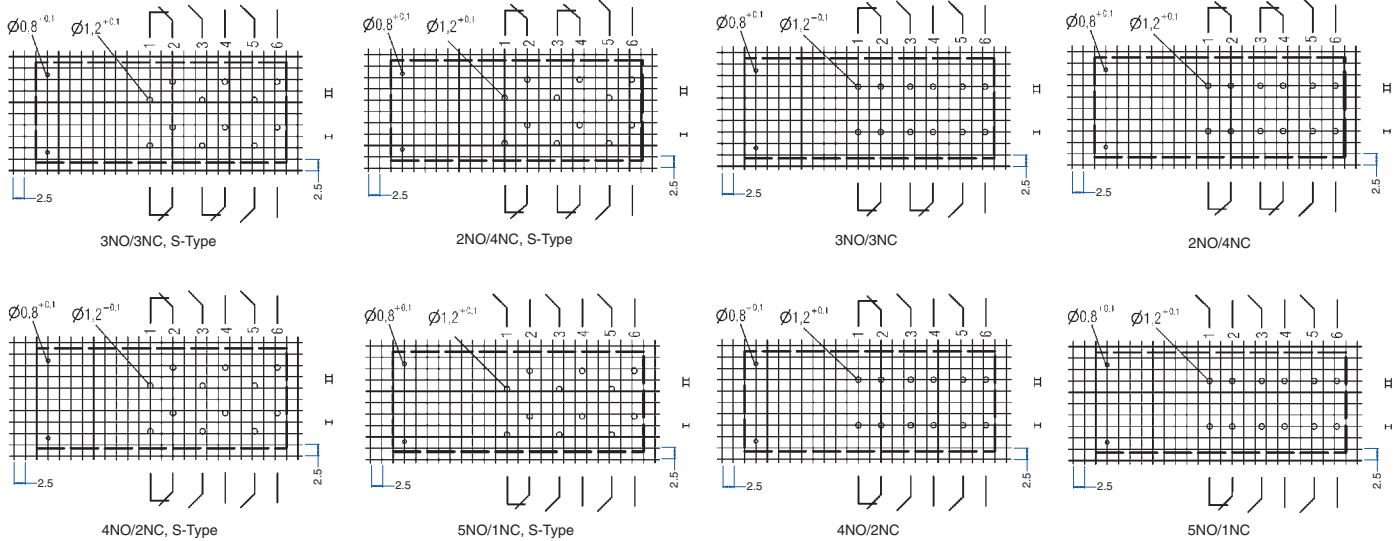
Example: 56.OA22S.____□

Contact Material, Example: C AgSnO₂+2μmAu

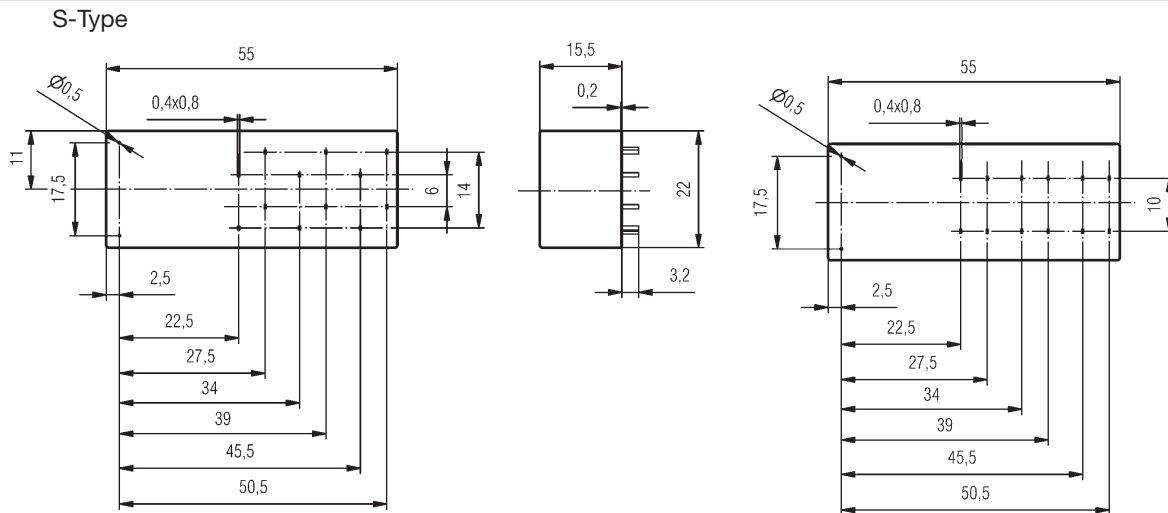
N AgNi10+.2μmAu

S AgNi10+5μmAu

Footprints (solder side)



Dimensions



Note: All dimensions are shown in millimeters. To convert to inches, divide by 25.4.