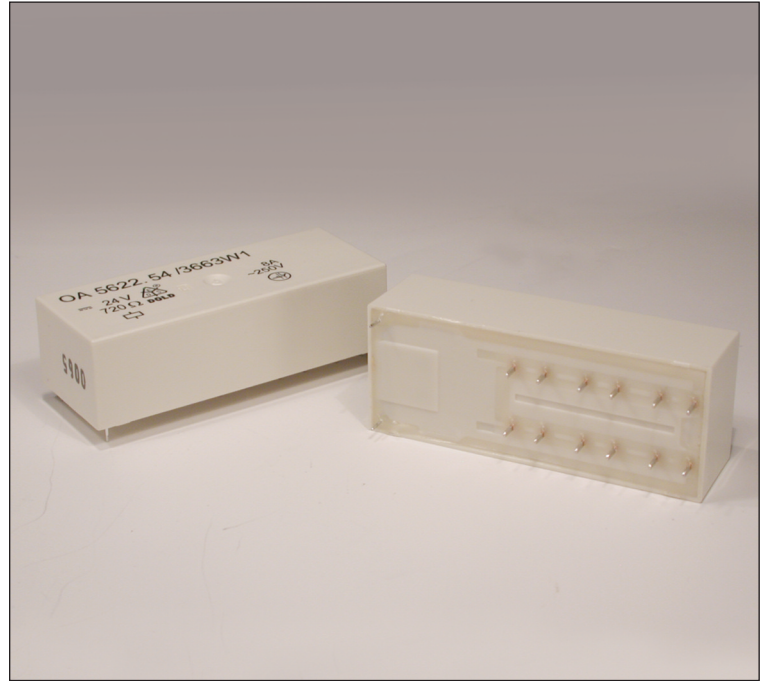


Safety Relay

OA 5622 / OA 5622S

Features

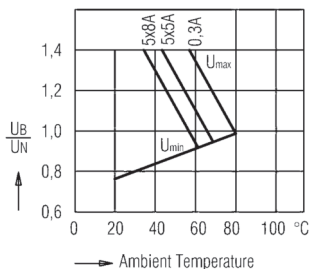
- 6 output contacts
- International approvals:
TÜV, UL, cUL
- Quality control check for each safety relay
- Forced-guided contacts, all gold flash plated
- Contact Gap > 0.5 mm throughout life of relay
- Various contact materials,
mixed contact material optional
- High coil voltage range
- High breakdown voltage: contact/coil ≥ 4 KV
contact/contact ≥ 4 KV
- High creeping distance: contact/coil ≥ 5.5 mm
contact/contact ≥ 5.5 mm
- Protection Rating IP 67, washable
- Custom design available,
- coil voltage - coil resistance,
- contact pressure - operate/release time
- gold plated double contacts
- S-Type
higher external clearance and creeping distance:
contact/contact ≥ 7.5 mm



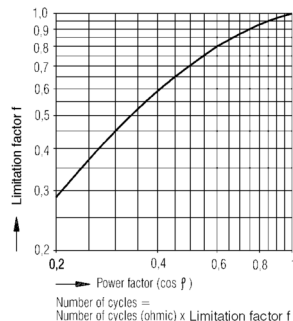
Technical Data

- | | | | |
|--|---|--|--|
| ■ Nominal Coil Voltage | 6, 12, 24, 48, 60, 110, DC | ■ Contact Arrangements | 2NO/4NC, 3NO/3NC, 4NO/2NC, 5NO/1NC |
| ■ Coil Power Dissipation | 0.8 W | ■ Contact Material | AgNi10+0.2 μ mAu Standard
AgSnO ₂ +0.2 μ mAu, AgNi10+5 μ mAu Optional |
| ■ Max. Switching Voltage | 250V DC, 400V AC | ■ Mechanical Life | >20x10 ⁶ operation cycles |
| ■ Max. Switching Current | 8 A (5 x 8A simultaneous) | ■ Electrical Life | AgSnO ₂ >10 ⁵ , AgNi10 >0.75x10 ⁵
operation cycles @ 230V AC, 8A, cos φ =1 |
| ■ Max. Switching Power — DC | 200W | ■ Ambient Temperature | -40...+80°C |
| ■ Max. Switching Power — AC | 2000VA | ■ Cover Material | Polyamide 6 |
| ■ Contact Switching Rate | 10 operations per second | ■ Weight | 38 g |
| ■ Relay Operate Time | 12 ms | ■ More detailed data upon request | |
| ■ Relay Release Time | 8 ms | | |
| ■ Operation Vibration | 0.35 mm Ampl. max
@ 10...200Hz, 5g max | | |

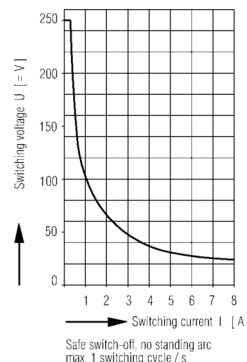
Diagrams



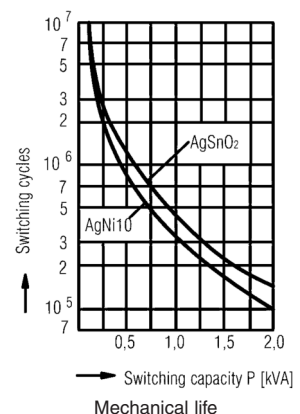
Relay operation voltage vs. ambient temperature



Limitation factor for inductive loads



Maximum switching power curve



Mechanical life

Safety Relay OA 5622 / OA 5622S Data

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	2400 Ω	56.OA22.4824□	2880 Ω	56.OA22.4833□	56.OA22.4842□	56.OA22.4851□
60V	45.0 - 84.0V	3800 Ω	56.OA22.6024□	4500 Ω	56.OA22.6033□	56.OA22.6042□	56.OA22.6051□
110V	82.5 - 154.0V	12700 Ω	56.OA22.1124□	15125 Ω	56.OA22.1133□	56.OA22.1142□	56.OA22.1151□

For S-Type:

Please specify **S** when ordering:

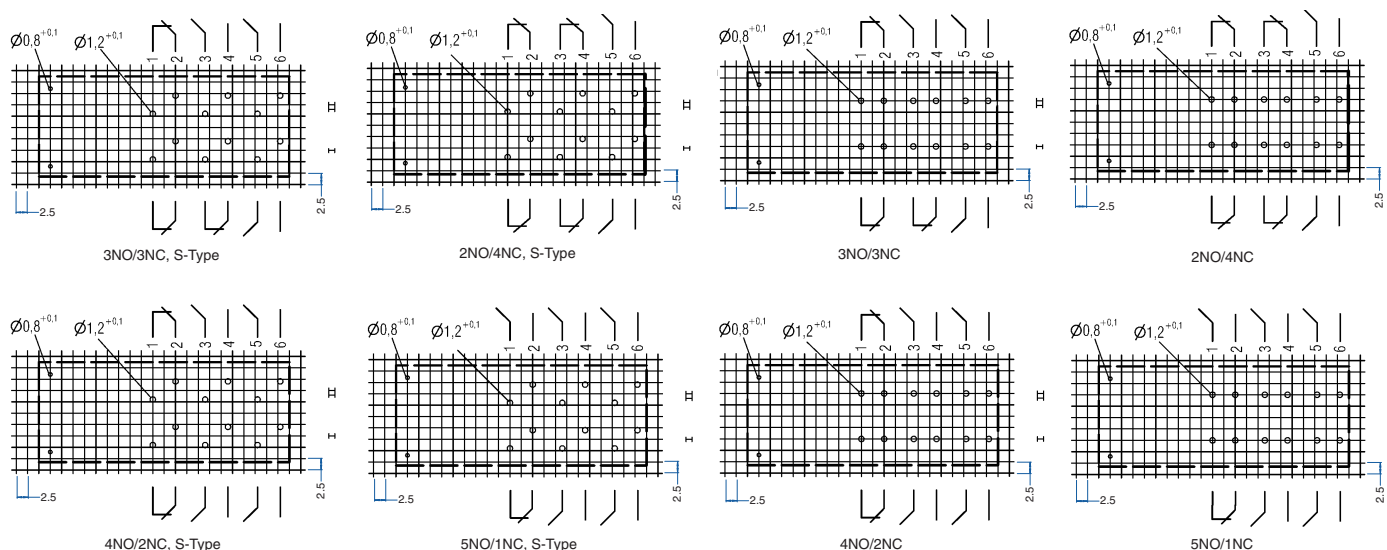
Example: 56.OA22S_ _ _ _ □

Contact Material, Example: □ AgSnO₂+2μmAu

□ AgNi10+2μmAu

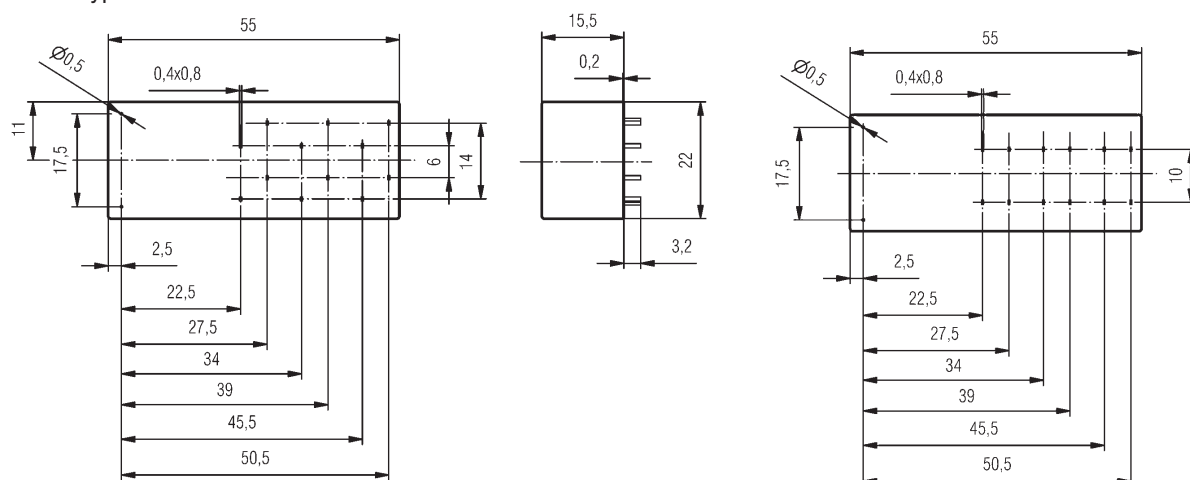
□ AgNi10+5μmAu

Footprints (solder side)



Dimensions

S-Type



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

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Altech:](#)

[56.OA22.2451S](#) [56.OA22.0633C](#) [56.OA22.1142C](#) [56.OA22.1233S](#) [56.OA22.2442C](#) [56.OA22.1133C](#)
[56.OA22.1142N](#) [56.OA22.1233C](#) [56.OA22.2442S](#) [56.OA22.2433C](#) [56.OA22.2442N](#) [56.OA22.2451C](#)
[56.OA22.2433S](#)