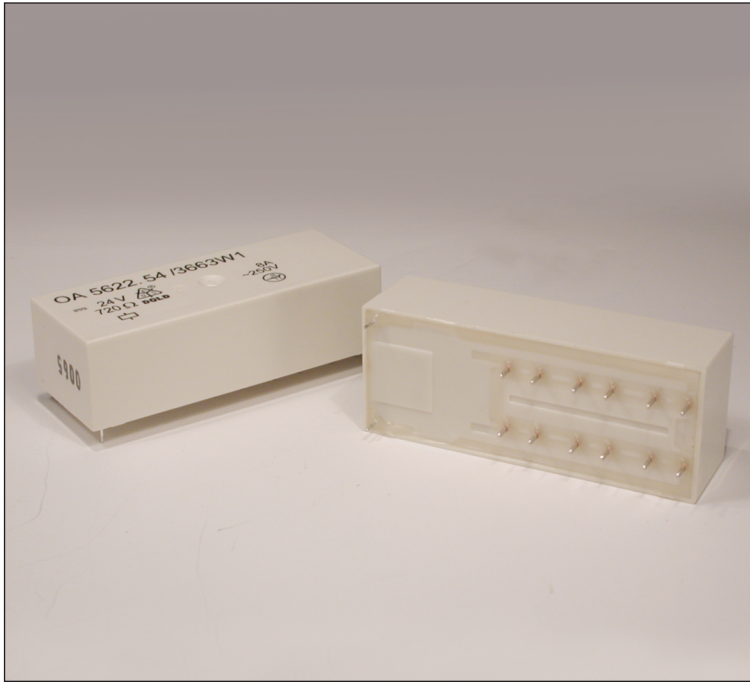


Safety Relay

OA 5622 / OA 5622S

Features

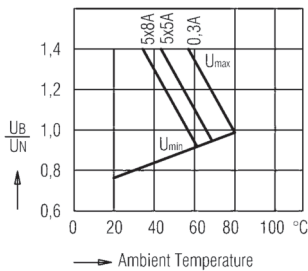
- 6 output contacts
- International approvals: TÜV, UL, cUL
- Quality control check for each safety relay
- Forced-guided contacts, all gold flash plated
- Contact Gap > 0.5 mm throughout life of relay
- Various contact materials, mixed contact material optional
- High coil voltage range
- High breakdown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



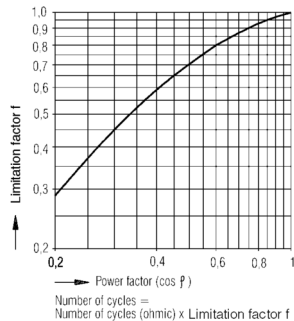
Technical Data

- | | |
|--|---|
| <ul style="list-style-type: none"> ■ Nominal Coil Voltage6, 12, 24, 48, 60, 110, DC ■ Coil Power Dissipation0.8 W ■ Max. Switching Voltage250V DC, 400V AC ■ Max. Switching Current8 A (5 x 8A simultaneous) ■ Max. Switching Power — DC200W ■ Max. Switching Power — AC2000VA ■ Contact Switching Rate10 operations per second ■ Relay Operate Time12 ms ■ Relay Release Time8 ms ■ Operation Vibration0.35 mm Ampl. max
@ 10...200Hz, 5g max | <ul style="list-style-type: none"> ■ Contact Arrangements2NO/4NC, 3NO/3NC, 4NO/2NC, 5NO/1NC ■ Contact MaterialAgNi10+0.2μmAu Standard
.....AgSnO₂+0.2μmAu, AgNi10+5μmAu Optional ■ Mechanical Life>20x10⁶ operation cycles ■ Electrical LifeAgSnO₂ >10⁵, AgNi10 >0.75x10⁵
.....operation cycles @ 230V AC, 8A, cos φ=1 ■ Ambient Temperature-40...+80°C ■ Cover MaterialPolyamide 6 ■ Weight38 g ■ More detailed data upon request |
|--|---|

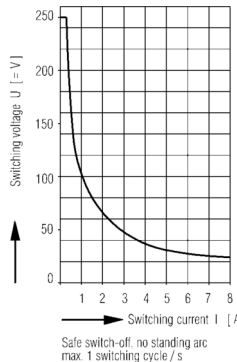
Diagrams



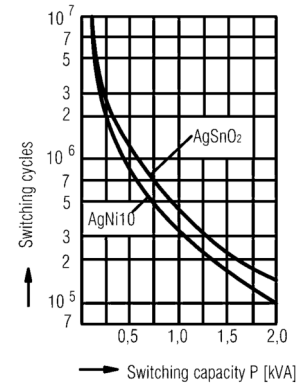
Relay operation voltage vs. ambient temperature



Limitation factor for inductive loads



Maximum switching power curve



Mechanical life

Safety Relay OA 5622 / OA 5622S Data

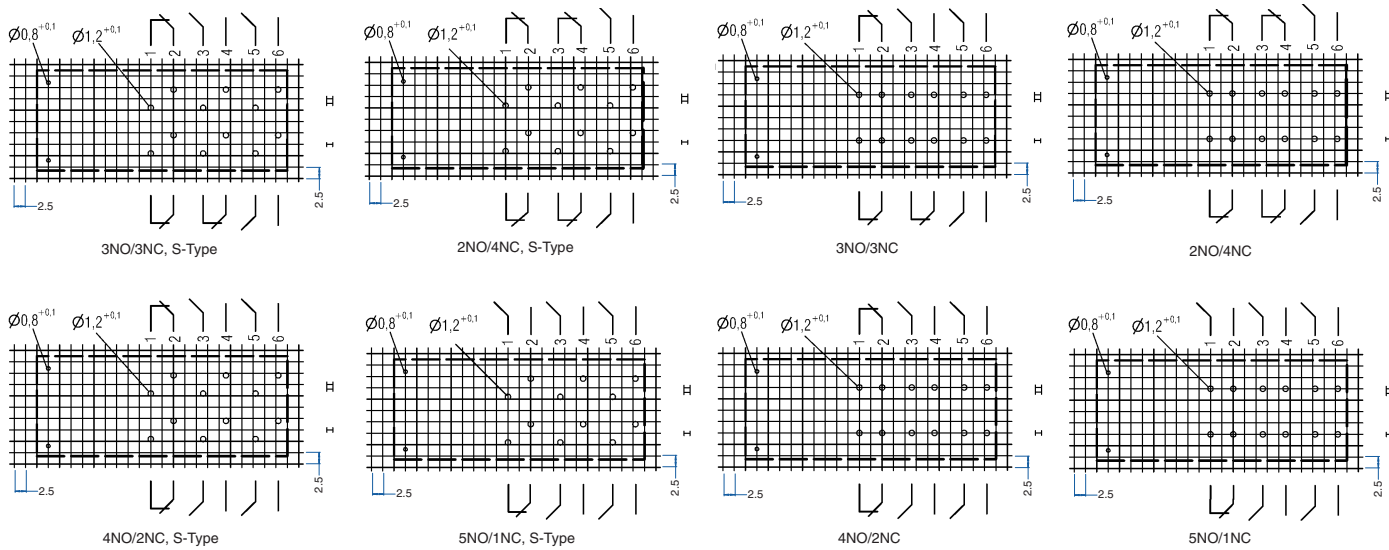
Relay Data			Ordering Information				
Rated Voltage	Voltage Range	Coil Resistance (10%)	2 NO/4 NC Type	Coil Resistance (10%)	3 NO/3 NC Type	4 NO/2 NC Type	5 NO/1 NC Type
6V	4.5 - 8.4V	38 Ω	56.OA22.0624□	45 Ω	56.OA22.0633□	56.OA22.0642□	56.OA22.0651□
12V	9.0 - 16.8V	150 Ω	56.OA22.1224□	180 Ω	56.OA22.1233□	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:

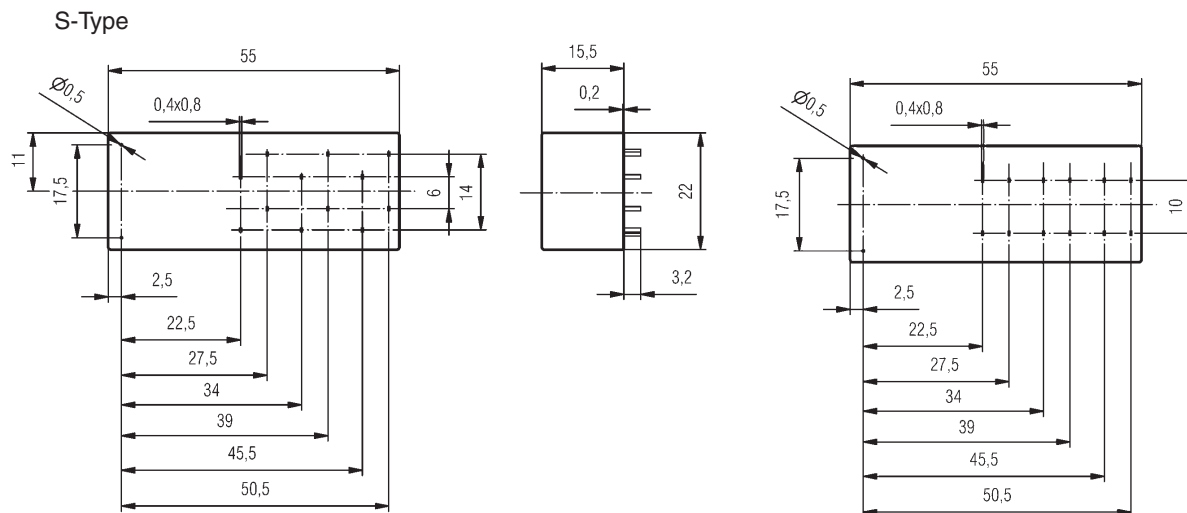
Please specify **S** when ordering:
Example: 56.OA22S. _ _ _ □

Contact Material, Example: CAgSnO₂+2μmAu
NAgNi10+2μmAu
SAgNi10+5μmAu

Footprints (solder side)



Dimensions



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

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