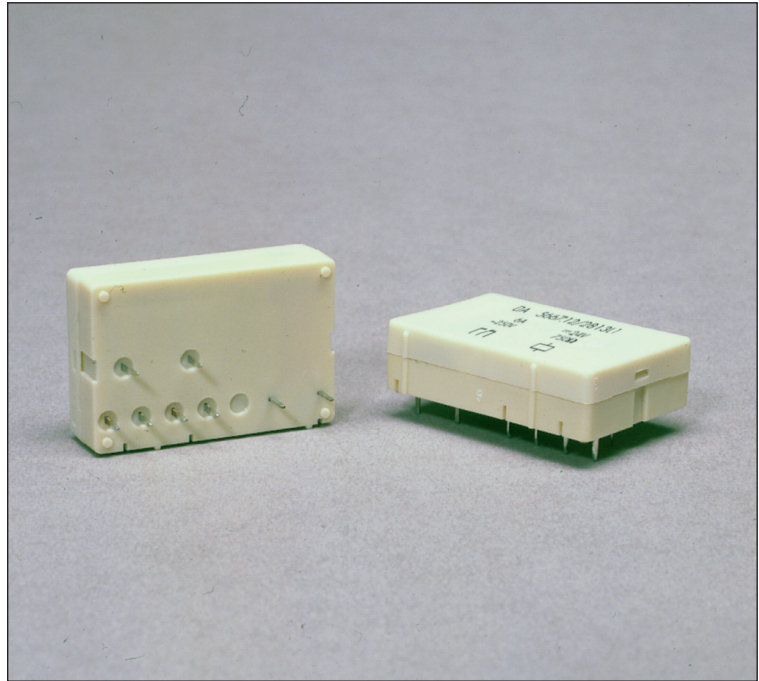


Safety Relay

OA 5667 / OA 5667S

Features

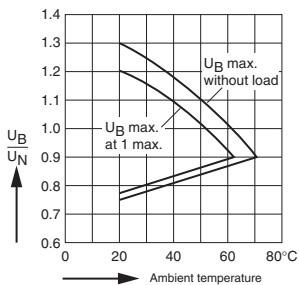
- 2 output contacts
- International approvals: TÜV, UL, cUL
- Quality control check for each safety relay
- Forced-guided contacts, all gold flash plated
- Contact Gap > 0.5 mm throughout life of relay
- Various contact materials, mixed contact material optional
- High coil voltage range
- High breakdown Voltage:
 - contact/coil \geq 4 KV
 - contact/contact \geq 2.5 KV
 - contact/contact \geq 4 KV; S-Type
- High Creeping Distance:
 - contact/coil > 8 mm
 - contact/contact > 4.5 mm; S-Type 8 mm
- Custom design available,
 - coil voltage
 - coil resistance,
 - contact pressure
 - operate/release time



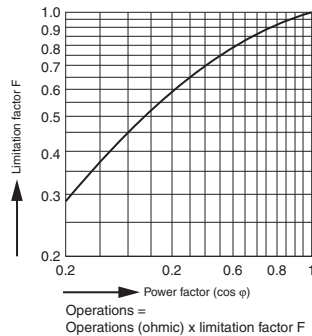
Technical Data

- **Nominal Coil Voltage**6, 12, 24, 48, 60, 110 DC
- **Coil Power Dissipation**0.75 W
- **Max. Switching Voltage**250V DC, 400V AC
- **Max. Switching Current**6A (2 x 6A simultaneous)
- **Max. Switching Power — DC**200W (2 x 160W simultaneous)
- **Max. Switching Power — AC**1500VA (2 x 1500VA simultaneous)
- **Contact Switching Rate**10 operations per second
- **Relay Operate Time**10 ms
- **Relay Release Time**6 ms
- **Operation Vibration**0.35 mm Ampl. max @ 10...100Hz, 4g max
- **Contact Arrangements**.....1 NO/1 NC, 2CO
- **Contact Material**.....AgNi10+0.2 μ mAu Standard
.....AgSnO₂+0.2 μ mAu, AgNi10+5 μ mAu Optional
- **Mechanical Life** $\geq 10^7$ operation cycles
- **Electrical Life**AgSnO₂ >1.25x10⁵, AgNi10 >10⁵
.....operation cycles @ 230V AC, 5A, cos φ =1
- **Ambient Temperature**.....-40...+75°C
- **Protection Rating**IP40
- **Cover Material**.....Thermoplast
- **Weight**.....16 g
- More detailed data upon request

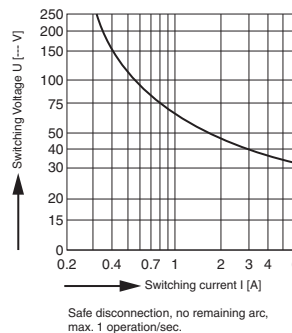
Diagrams



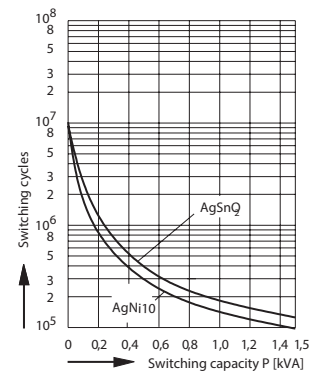
Relay operation voltage vs. ambient temperature



Limitation factor for inductive loads



Maximum switching power curve



Mechanical life

Safety Relay OA 5667/ OA 5667S Data

Relay Data

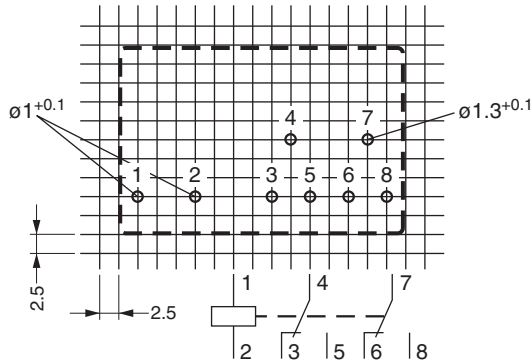
Ordering Information

Rated Voltage	Voltage Range	Coil Resistance (10%)	1 NO/1 NC Type	2 CO Type	1 NO/1 NC S-Type	2 CO S-Type
6V	4.5 - 7.8V	48 Ω	56.OA67.0611□	56.OA67.0600□	56.OA67S.0611□	56.OA67S.0600□
12V	9.0 - 15.6V	183 Ω	56.OA67.1211□	56.OA67.1200□	56.OA67S.1211□	56.OA67S.1200□
24V	18.0 - 31.2V	750 Ω	56.OA67.2411□	56.OA67.2400□	56.OA67S.2411□	56.OA67S.2400□
48V	36.0 - 62.4V	3200 Ω	56.OA67.4811□	56.OA67.4800□	56.OA67S.4811□	56.OA67S.4800□
60V	45.0 - 78.0V	4700 Ω	56.OA67.6011□	56.OA67.6000□	56.OA67S.6011□	56.OA67S.6000□
110V	82.5 - 143.5V	15300 Ω	56.OA67.1111□	56.OA67.1100□	56.OA67S.1111□	56.OA67S.1100□

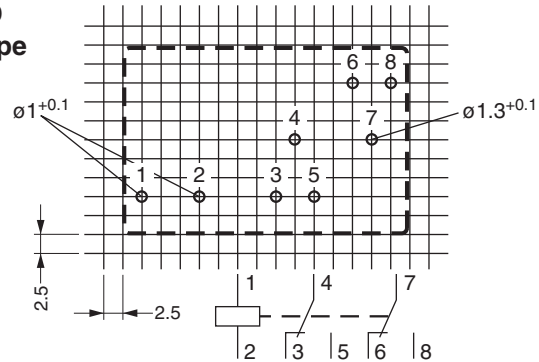
Contact Material, Example: CAgSnO₂+2μmAu
NAgNi10+.2μmAu
SAgNi10+5μmAu

Footprints (solder side)

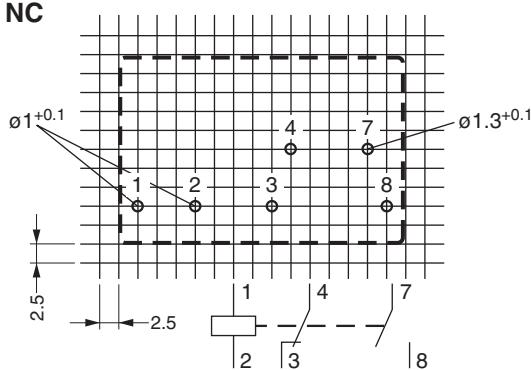
2 CO



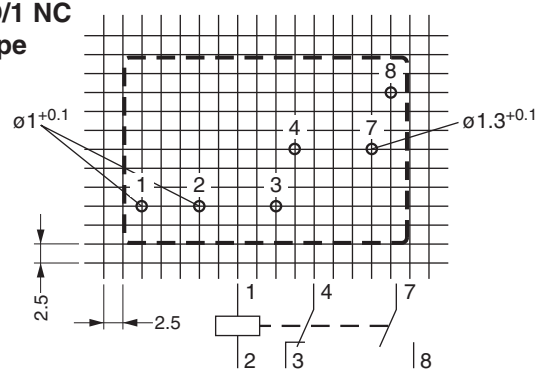
2 CO S-Type



1 NO/1 NC

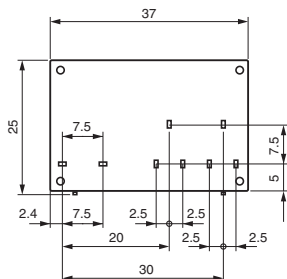


1 NO/1 NC S-Type

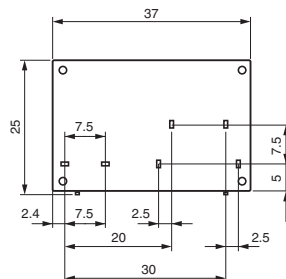


Dimensions

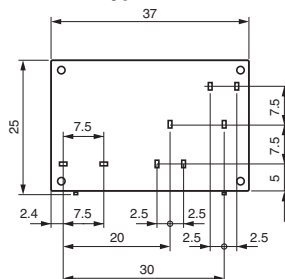
2 CO



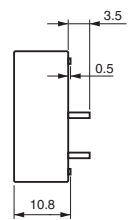
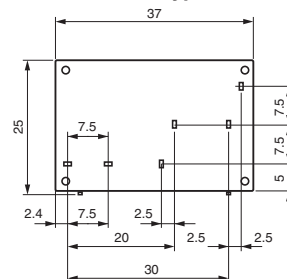
1 NO/1 NC



2 CO, S-Type



1 NO/1 NC, S-Type



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