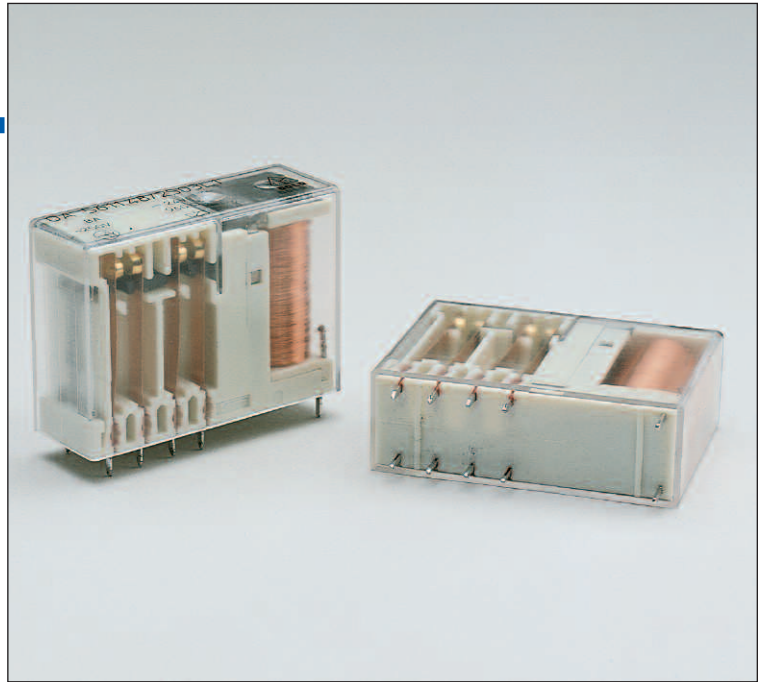


Safety Relay

OA 5611

Features

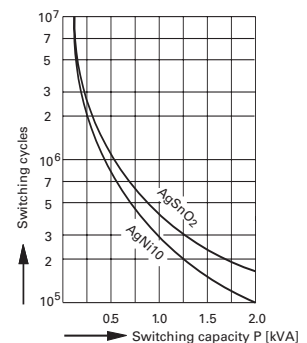
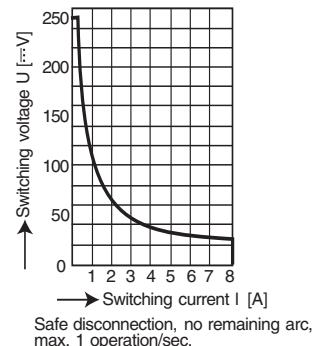
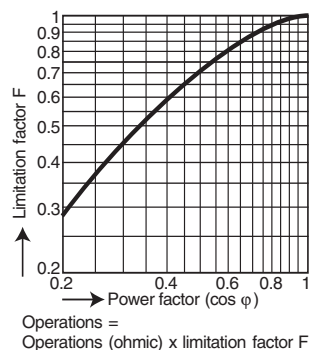
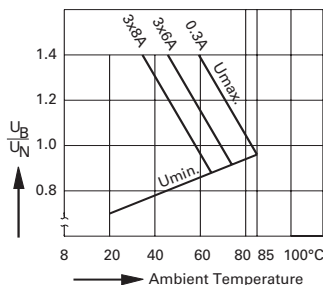
- n 4 output contacts
- n International approvals: TÜV, UL, cUL, CSA
- n Quality control check for each safety relay
- n Forced-guided contacts, all gold flash plated
- n Contact Gap > 0.5 mm throughout life of relay
- n Various contact materials, mixed contact material optional
- n High coil voltage range
- n High switching voltage
- n High breakdown voltage: contact/coil > 4 kV
- n High creeping distance: contact/coil > 8 mm
- n Crown contacts
- n Solid connection between coil and contact housing
- n Compact size
- n Custom design available,
 - coil voltage
 - coil resistance
 - contact pressure
 - operate/release time
 - low power dissipation models
 - Manual test relay (slide activated)



Technical Data

n Nominal Coil Voltage6, 12, 24, 48, 60, 110, DC	n Contact Arrangements2NO/2NC, 3NO/1NC
n Coil Power Dissipation0.6 W	n Contact MaterialAgNi10+0.2µmAu, AgSnO ₂ +0.2µmAu, AgNi10+5µmAu
n Max. Switching Voltage250V DC, 400 V AC	n Mechanical Life50x10 ⁶ operation cycles
n Max. Switching Current8 A	n Electrical LifeAgSnO ₂ >3x10 ⁵ , AgNi10 >2x10 ⁵operation cycles @ 230V AC, 5A, cos φ=1
n Max. Switching Power — DC200W	AgSnO ₂ >1.5x10 ⁵ , AgNi10 >10 ⁵operation cycles @ 230V AC, 8A, cos φ=1
n Max. Switching Power — AC2000VA	n Ambient Temperature-25...+85°C
n Contact Switching Rate10 operations per second	n Cover MaterialThermoplast
n Relay Operate Time20 ms	n Weight35 g
n Relay Release Time6 ms	n More detailed data upon request
n Operation Vibration0.35 mm Ampl. max@ 10...200Hz, 3g max	
n Protection RatingIP 40	

Diagrams



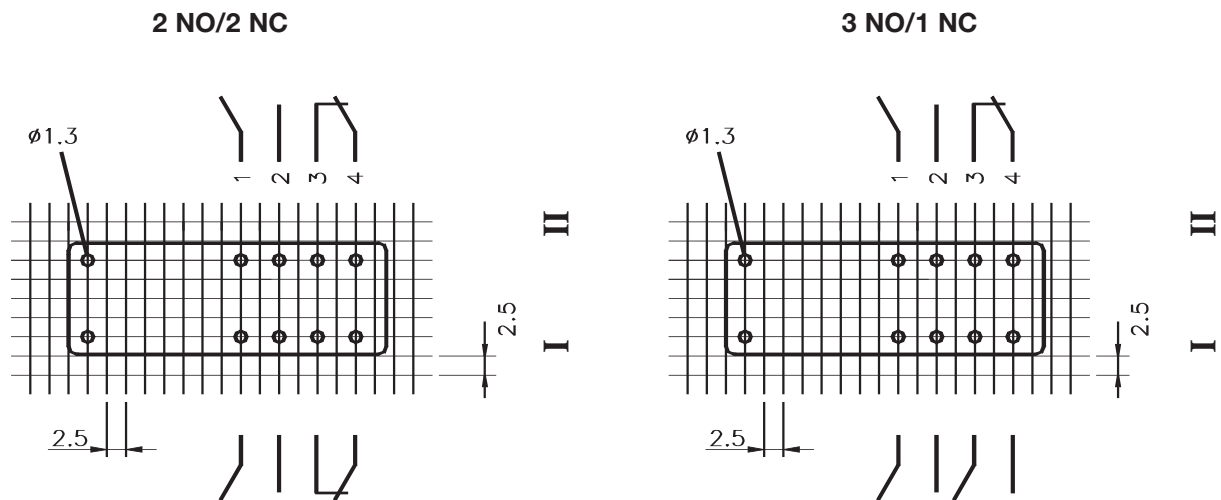
Safety Relay 5611 Data

Relay Data			Ordering Information	
Rated Voltage	Voltage Range	Coil Resistance	2 NO/2 NC Type	3 NO/1 NC Type
6V	4.2 - 8.4V	56 Ω	56.OA11.0622□	56.OA11.0631□
12V	8.4 - 16.8V	240 Ω	56.OA11.1222□	56.OA11.1231□
24V	16.8 - 33.6V	960 Ω	56.OA11.2422□	56.OA11.2431□
48V	33.6 - 67.2V	3840 Ω	56.OA11.4822□	56.OA11.4831□
60V	42.0 - 84.0V	6000 Ω	56.OA11.6022□	56.OA11.6031□
110V	77.0 - 145.0V	20150 Ω	56.OA11.1122□	56.OA11.1131□

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

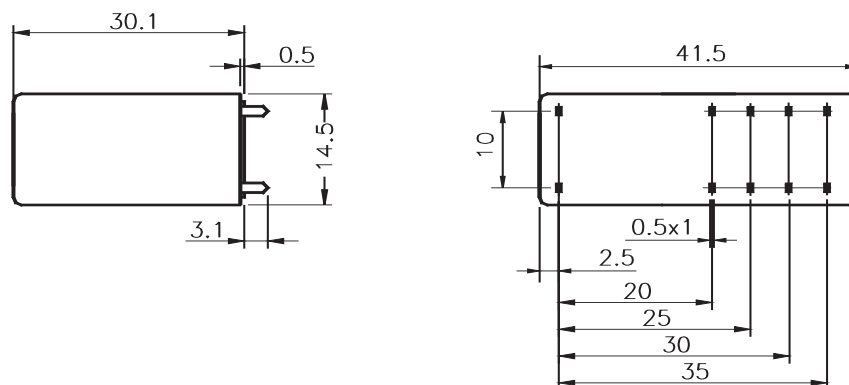
Footprints

(Note: Shown at their actual size.)



Dimensions

(Note: Shown at their actual size.)



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