

# When Safety is Critical.

## Altech Force-Guided Safety Relays

Safety relays with forced-guided contacts are the core components for safety devices and are indispensable when designing safety circuits. Safety devices are designed to protect man and machine as demanded in OSHA CFR 1910 Regulations "General Requirements for All Machinery", and which is a mandatory requirement of the European Machinery Directive EMD 2006/42/EC.

Force guidance in a relay means that the contacts in a contact set must be mechanically linked together so that it is impossible for the NO (normally open) and NC (normally closed) contacts to be closed at the same time. The contacts are linked so that no one contact in a relay can change state without changing all the contacts in that relay. There must be a 0.5 mm minimum air gap between the open contacts for the entire service life of the relay, even when a relay part fails to function correctly.

**DOLD** 

 **UL** US

 **Type  
Approved**

### Application Examples

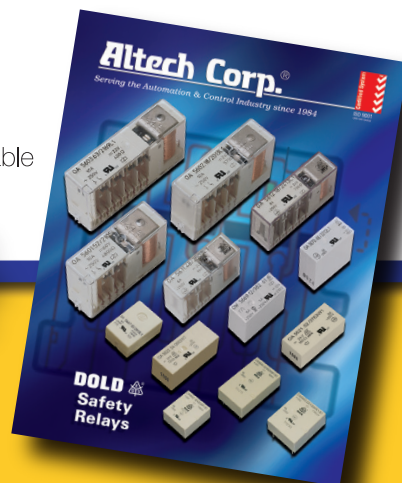
Two Hand Safety Devices  
Press systems  
Elevators and escalators  
Cranes  
Door and gate drive systems  
Printing and textile machinery  
Robots  
Stamping machines  
Medical equipment  
Cutting machines  
Rail transportation systems

Signaling systems  
Emergency Stop Modules  
DIN Rail safety modules  
Safety door controls  
Pressure mat controls  
Light barriers and curtains  
Speed controls  
Monitoring devices  
Safety Gate  
Monitor of Safety Circuits for  
Line Breakage and Shorts

### Available Versions:

- 2-8 Output Contacts
- 5-110V DC Coils
- Various Contact Materials
- Custom Configurations Available

**Finest  
Quality in  
the industry**



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