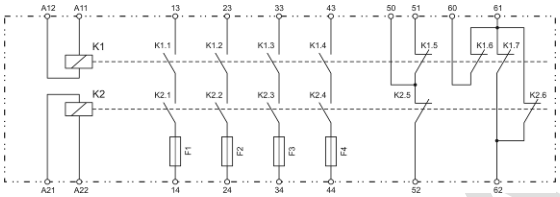
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SR-01-42-24-00

safety relay module with 1oo2 structure



SIL3



The SR-01-42-24-00 safety relay may be used as fault tolerant output relay for safety-related signals. Each single or redundant digital output switches four forcibly guided field contacts.
Diagnostic contacts allow status read-back for continuous monitoring.

Technical data

- Two forcibly guided diversity safety relays, by different manufactures
- 2x4 redundant closing contacts
- The closing contacts are wired in 1-out-of-2 logic
- the open-contact of each relay can be read back for continuous monitoring
- each closing contact circuit is protected by a build in fuse
- The module may be used up to SIL 3 (IEC 61508) as a single device
- safety-related data: see manual
- response time typically: 15ms
- dimensions (LxWxH): 114.5x35x99 mm
- operating temperature range: -25°C ... 70°C
- pollution level 2
- nominal input voltage: 24VAC/DC
- max. switching current for NO contacts: 6A
- max. switching current for NC contacts: 4A
- switching voltage range: 15 … 240VDC/AC
- service life, mechanical: 10^7 cycles
- service life, electrical: 10^5 cycles

applied standards:

IEC 61508, EN ISO 13849, IEC 62061, IEC 61511, IEC 61131-2, EN 50178, EN 50155, EN 50156, IEC 61326, EN 54, EN 50130, EN 298, EN 61373, NFPA 72

DATASHEET