

Klippon® Relay

SAFESERIES – Line & Load Monitoring

SIL3 safety relays for process industry

Safety-related activation of plant components

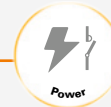
In applications of process industry the safety-related activation is becoming more and more important. Our new SIL3 safety relays serve as coupling relays between the control level and the field level for the safety-related activation of plant components.

SIL3 safety relays have been specially developed for applications in the process industry. The relays meet the requirements of functional safety and have been certified by TÜV NORD according to EN 61508:2010. The approval for Ex-areas as well as the extended temperature range up to 70°C enables their application even under challenging environmental conditions. The integrated diagnostic and alarm output of the relays ensures permanent monitoring for wire breakage and load faults.



Your special advantages:

- Specially developed for applications in the process industry
- Certified as „approved safety function“ by TÜV NORD
- Approved for use in hazardous areas
- Equipped with integrated wire break detection and load monitoring



Wire break detection and load monitoring

When deactivated, the load and the wiring of the system are permanently monitored. Error messages are enabled by the additional diagnostic and alarm output.

Approval for Ex-areas

The relay modules meet the special technical requirements for explosion protection and are certified according to IEC EX or ATEX for all markets.



Certified according to EN 61508:2010

The relays have been certified by TÜV NORD as „approved safety function“ to meet all technical requirements for functional safety in accordance with Safety Integrity Level 3 of EN 61508:2010.

SAFESERIES with line & load monitoring – Energized to safe (ETS)

Order No.	2634010000	2633940000
Type	SCS 24VDC P1SIL3ES LL-T	SCS 24VDC P1SIL3ES LL
Operating temperature	-40°C...+70°C	-40°C...+50°C
Max. switching current	2,5 A	2,5 A
Width	22,5 mm	17,5 mm
Status display	RLY – Input status DIAG – Monitoring status ERR – Fault message	RLY – Input status DIAG – Monitoring status ERR – Fault message
Diagnostic function	Line break Short circuit Fault in load supply	Line break Short circuit Fault in load supply



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