

Functional Safety

Specific safety relays required for signals in process safety-related systems



For process automation applications

Whether for a burner control system, secure emergency shut down or, for example, for pump controllers – our safety relay guarantees safe conditions and convince with superior and significant features. Their integration into distributed control systems (DCSs) is even better, with an input filter which makes the SIL circuit immune to the test impulse which is typically used by a DCS. You will also benefit from simple maintenance: the fuses are accessible from the outside and can easily be changed. You can see the status of the safety and the monitoring devices clearly with status LED on the device. All devices are accredited though certification by the internationally recognized TÜV-NORD group – for secure process applications around the globe.

Your benefits

- Removable cable connectors
- Clear marking with Weidmüller markers
- TUV certified and with “Approved Safety Function”
- Versions for energized and de-energized for safe applications

SIL-Relays of the SAFESERIES

in combination with distributed control systems

A distributed control system is characterized by a high availability of hardware and software components. Weidmuller offers for the customer the advantage that his safety relays are working reliably with different distributed control systems, proven by extensive integration tests.



Available for

Order No.	1303890000	1303760000	1304040000	1319270000	2500980000	1319280000
Type	SCS 24VDC P1SIL3DS	SCS 24VDC P1SIL3DS M	SCS 24VDC P1SIL3DS MG3	SCS 24VDC P2SIL3DSES	SCS 24VDC P1SIL3DS I	SCS 24VDC P2SIL3ES
YOKOGAWA ProSafe RS digital output card SDV 541	●	●	●	●		
SCHNEIDER ELECTRIC Compatibility with Tricon™, Trident™ and Tri-GP™ systems					●	
HONEYWELL Can be connected to classic digital output: • Safety Manager IO-Module type FC-SDO-824 and FC-SDOL-0424 • Universal Safety IO-Module type FC-RUSIO-3224	●	●	●	●		●
HIMA HIMax System, output module X-DO 2401	●	●	●			
EMERSON Tested according Delta V SIS test protocols with: • Simplex CHARM LSDO 24VDC DTA (KL3302X1-BA1) • Redundant CHARM LSDO 24VDC DTA (R) (KL3302X1-BB1) • Simplex CHARM LSDO 24VDC ETA (KL3302X1-BC1)	●	●	●			
Tested according Delta V SIS test protocols with: • Simplex CHARM LSDO 24VDC DTA (KL3302X1-BA1) • Redundant CHARM LSDO 24VDC DTA (R) (KL3302X1-BB1)					●	
Tested according Delta V SIS test protocols with: • Simplex CHARM LSDO 24VDC DTA (KL3302X1-BA1) • Redundant CHARM LSDO 24VDC DTA (R) (KL3302X1-BB1) • Simplex CHARM LSDO 24VDC ETA (KL3302X1-BC1)				●		

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