- 2-channel isolated barrier
- 230 V AC supply
- Dry contact or NAMUR inputs
- · Latching relay output
- · Line fault detection (LFD)
- · Reversible mode of operation

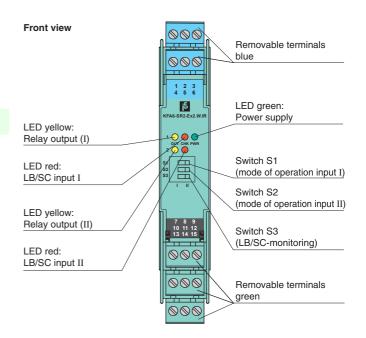
Function

This isolated barrier is used for intrinsic safety applications. It has a latching relay (bistable operation) for level control, pump up/pump down, or other switch/logic applications. The device is set by an active signal on input I and is reset by an active signal on input II. The mode of operation of inputs I and II can be programmed.

Switch S3 is used to enable or disable line fault detection of the field circuit. During an error condition or loss of power, the form C changeover relays revert to their de-energized state and the LEDs indicate the fault according to NAMUR NE44. When the wiring fault is corrected, the relay will revert to the state prior to the fault.

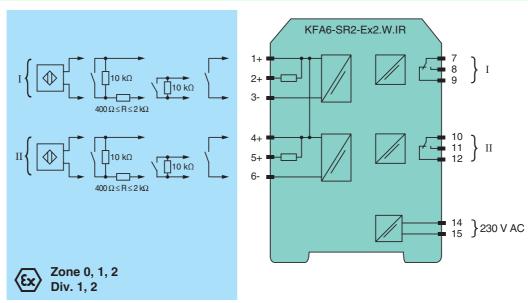
If the device is re-energized after power loss, the relays return to a factory-configured state.

Assembly





Connection



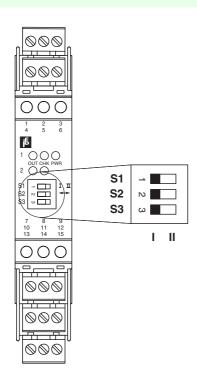
Digital Input

General specifications

Signal type

UL approval		
Control drawing	116-0145	
CSA approval		
Control drawing	116-0047	
IECEx approval	IECEx PTB 11.0031	
Approved for	[Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I	
General information		
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperlfuchs.com.	

Configuration



Switch position

S	Function		Position
1	Mode of operation	with high input current	I
	Output I (relay) energized	with low input current	II
2	Mode of operation	with high input current	ı
	Output II (relay) energized	with low input current	II
3	Line fault detection	ON	I
		OFF	II

Operating status

Control circuit	Input signal
Initiator high impedance/ contact opened	low input current
Initiator low impedance/ contact closed	high input current
Lead breakage, lead short-circuit	Line fault

Factory settings: switch 1, 2 and 3 in position I