



- 2-channel
- · Control circuit EEx ia IIC
- · Reversible mode of operation
- 1 relay output with 1 changeover contact per channel
- EMC acc. to NAMUR NE 21
- LB/SC monitoring
- Up to SIL2 acc. to IEC 61508/IEC 61511

100 V AC

KFA4-SR2-Ex2.W

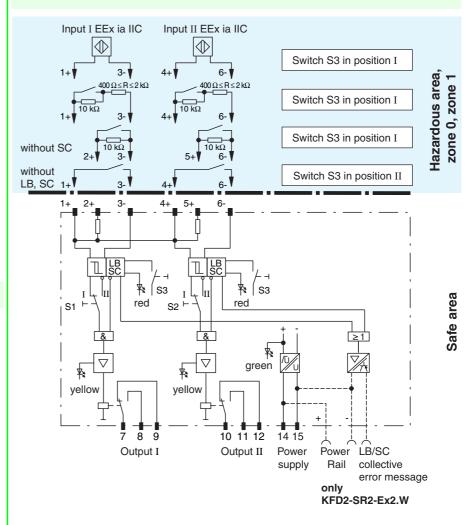
Function

The transformer isolated barrier transfers digital signals from the hazardous area. Sensors per EN 60947-5-6 (NAMUR) and mechanical contacts may be used as alarms. Control circuits are monitored for lead breakage (LB) and short circuit (SC). The external faults are indicated according to NAMUR NE44 by a red flashing LED.

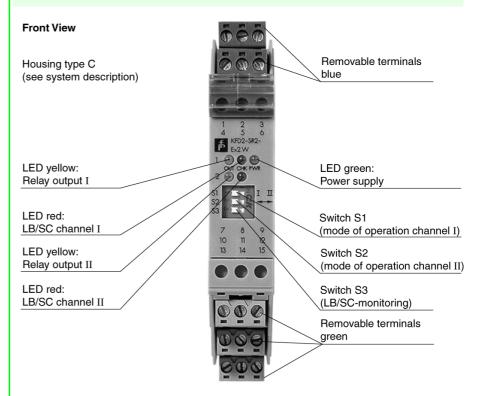
For type KFD2-SR2-Ex2.W, an LB/SC collective error message is in addition transferred through the Power Rail to the power feed module.

The intrinsically safe inputs per EN 50020 are safely isolated from the output and the power supply. Relay outputs are galvanically separated from the mains power in accordance with IEC 61140. Relay outputs are galvanically separated from each other in accordance with IEC 61140.

Connection



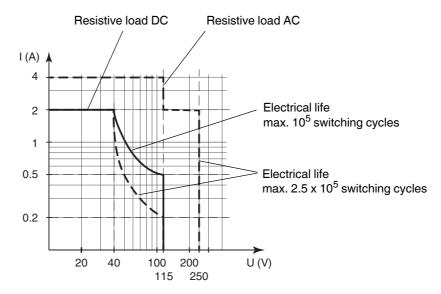
Composition



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Directive 94/9/EC	EN 60079-0:2012, EN 60079-11:2012
International approvals	
FM approval	
Control drawing	116-0035
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.



The maximum number of switching cycles is depending on the electrical load and may be higher when reduced currents and voltages are applied.