

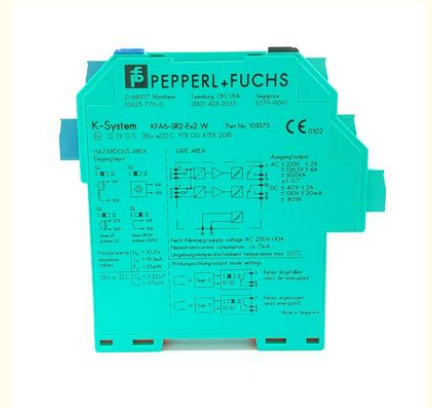
LEDs Pepperl Fuchs Safety Barrier Isolated Barrier Switch Amplifier 2 Channel KFA6-SR2-EX2.W

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: PEPPERL FUCHS
- Model Number: KFA6-SR2-EX2.W
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



Product Specification

- Manufacturer: PEPPERL FUCHS
- Product No: KFA6-SR2-EX2.W
- Connection: Screw Terminals
- Display Elements: LEDs
- Ambient Temperature: -20 ... 60 °C (-4 ... 140 °F)
- Mass: Approx. 150 G
- Shipping Weight: 1 Kg
- Highlight: **LEDs Pepperl Fuchs Safety Barrier, switch amplifier 2 Channel, KFA6-SR2-EX2.W**



More Images



Product Description

PEPPERL FUCHS KFA6-SR2-EX2.W Isolated Barrier Switch Amplifier 2 Channel

Features:

2-channel isolated barrier
230 V AC supply
Dry contact or NAMUR inputs
Relay contact output
Line fault detection (LFD)
Reversible mode of operation
Up to SIL 2 acc. to IEC/EN 61508 / IEC/EN

Function

This isolated barrier is used for intrinsic safety applications. It transfers digital signals (NAMUR sensors/mechanical contacts) from a hazardous area to a safe area.

The proximity sensor or switch controls a form C changeover relay contact for the safe area load. The normal output state can be reversed using switches S1 and S2. Switch S3 is used to enable or disable line fault detection of the field circuit.

During an error condition, the relays revert to their de-energized state and the LEDs indicate the fault according to NAMUR NE44.

Technical data

General specifications

Signal type: Digital Input
Functional safety related parameters
Safety Integrity Level (SIL): SIL 2

Supply

Connection: terminals 14, 15
Rated voltage: 207 ... 253 V AC, 45 ... 65 Hz
Power dissipation: 1.2 W
Power consumption: max. 1.3 W

Input

Connection side: field side
Connection: terminals 1+, 2+, 3-; 4+, 5+, 6-
Rated values: acc. to EN 60947-5-6 (NAMUR)
Open circuit voltage/short-circuit current: approx. 8 V DC / approx. 8 mA
Switching point/switching hysteresis: 1.2 ... 2.1 mA / approx. 0.2 mA
Line fault detection: breakage $I \leq 0.1$ mA , short-circuit $I > 6$ mA
Pulse/Pause ratio: min. 20 ms / min. 20 ms

Output

Connection side: control side
Connection: output I: terminals 7, 8, 9 ; output II: terminals 10, 11, 12
Output I, II: signal ; relay
Contact loading: 253 V AC/2 A/cos $\phi > 0.7$; 126.5 V AC/4 A/cos $\phi > 0.7$; 40 V DC/2 A resistive load
Energized/De-energized delay: approx. 20 ms / approx. 20 ms
Mechanical life: 10^7 switching cycles

Transfer characteristics

Switching frequency: ≤ 10 Hz

Galvanic isolation

Input/Output: reinforced insulation according to IEC/EN 61010-1, rated insulation voltage 300 V_{eff}
Input/power supply: reinforced insulation according to IEC/EN 61010-1, rated insulation voltage 300 V_{eff}
Output/power supply: reinforced insulation according to IEC/EN 61010-1, rated insulation voltage 300 V_{eff}
Output/Output: reinforced insulation according to IEC/EN 61010-1, rated insulation voltage 300 V_{eff}

Indicators/settings

Display elements: LEDs
Labeling: space for labeling at the front



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