

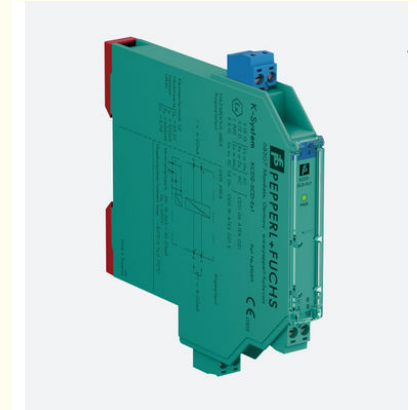
SIL SMART Pepperl Fuchs Safety Barrier KCD2-SCD-Ex1 Current Driver Housing 12.5 Mm

Our Product Introduction

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Basic Information

- Place of Origin: Germany
- Brand Name: PEPPERL FUCHS
- Model Number: KCD2-SCD-Ex1
- 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: KCD2-SCD-Ex1
- Width: 12.5 Mm
- Mass: Approx. 100 G
- Connection: Screw Terminals
- Degree Of Protection: IEC 60529
- Display Elements: LED
- Highlight: **SIL Pepperl Fuchs Safety Barrier, Pepperl Fuchs Safety Barrier 12.5mm, KCD2-SCD-Ex1**



More Images



Product Description

PEPPERL FUCHS SMART Current Driver KCD2-SCD-Ex1Housing width 12.5 mm

General specifications

Signal type Analog output

Functional safety related parameters

Safety Integrity Level (SIL) SIL 2

Systematic capability (SC) SC 3

Supply

Connection Power Rail or terminals 9+, 10-

Rated voltage 19 ... 30 V DC

Ripple $\leq 10\%$

Rated current ≤ 30 mA at 24 V

Power dissipation ≤ 600 mW at 20 mA and 500 Ω load

Power consumption ≤ 700 mW

Input

Connection side control side

Connection terminals 5-, 6+

Input signal 4 ... 20 mA, limited to approx. 26 mA

Input voltage open loop voltage of the control system < 30 V

Voltage drop approx. 6 V at 20 mA

Input resistance > 100 k Ω , with field wiring open

Output

Connection side field side

Connection terminals 1+, 2-

Voltage ≥ 13 V at 20 mA

Current 4 ... 20 mA

Load 0 ... 650 Ω

Ripple 20 mV rms

Transfer characteristics

Deviation at 20 °C (68 °F), 4 ... 20 mA

< 0.1 % of full scale, incl. non-linearity and hysteresis

Influence of ambient temperature < 2 μ A/K (-20 ... 70 °C (-4 ... 158 °F)); < 4 μ A/K (-40 ... -20 °C (-40 ... -4 °F))

Frequency range field side into the control side: bandwidth with 0.5 Vpp signal 0 ... 3 kHz (-3 dB)

control side into the field side: bandwidth with 0.5 Vpp signal 0 ... 3 kHz (-3 dB)

Rise time 10 to 90 % ≤ 10 ms

Galvanic isolation

Input/Output basic insulation according to IEC/EN 61010-1, rated insulation voltage 300 Veff

Input/power supply basic insulation according to IEC/EN 61010-1, rated insulation voltage 300 Veff

Output/power supply reinforced insulation according to IEC/EN 61010-1, rated insulation voltage 300 Veff

Indicators/settings

Display elements LED

Labeling space for labeling at the front

Directive conformity

Electromagnetic compatibility

Directive 2014/30/EU EN 61326-1:2013 (industrial locations)

Conformity

Electromagnetic compatibility NE 21:2017

EN 61326-3-2:2018

Degree of protection IEC 60529

Protection against electrical shock UL 61010-1:2019

Ambient conditions

Ambient temperature -40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

Degree of protection IP20

Connection screw terminals

Mass approx. 100 g

Dimensions 12.5 x 124 x 114 mm (0.5 x 4.9 x 4.5 inch) (W x H x D), housing type A2

Height 124 mm

Width 12.5 mm

Depth 114 mm

Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001



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