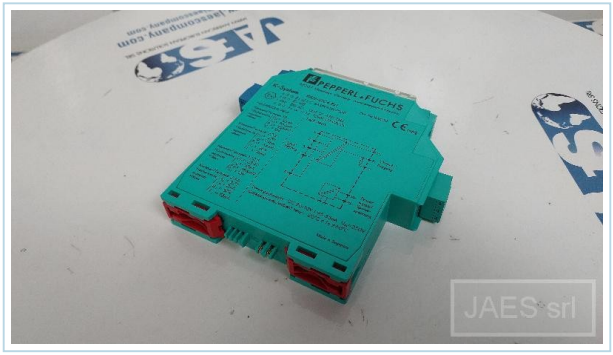
TECHNICAL DATA SHEET

PEPPERL+FUCHS

KFD2-STC4-EX1

POWER SUPPLIES



General specifications	
Signal type	**Analog input**

Functional safety related parameters	
Safety Integrity Level (SIL)	**SIL 2**

Supply	
Connection	**Power Rail or terminals 14+, 15-**
Rated voltage	**20 ... 35 V DC**
Power dissipation	**1.4 W**
Power consumption	**1.8 W**

Input	
Input signal	**0/4 ... 20 mA**
Voltage drop	**≤ 2.4 V at 20 mA (terminals 5, 6)**
Input resistance	**≤ 64 Ω terminals 2-, 3 ; ≤ 500 Ω terminals 1+, 3 (250 Ω load)**
Available voltage	**≥ 16 V at 20 mA terminals 1+, 3**

Output	
Load	**0 ... 800 Ω at 20 mA**
Output signal	**0/4 ... 20 mA (overload > 25 mA)**
Ripple	**max. 50 µA rms**

Transfer characteristics	
Influence of ambient temperature	**0.25 µA/K**

Frequency range	
field side into the control side	**bandwidth with 0.5 V pp signal 0 ... 7.5 kHz (-3 dB)**
control side into the field side	**bandwidth with 0.5 V pp signal 0.3 ... 7.5 kHz (-3 dB)**

Timing	
Settling time	**200 µs**
Rise time/fall time	**20 µs**

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Mechanical data	
Degree of protection	**IP20**
Connection	**screw terminals**
Mass	**approx. 200 g**
Dimensions	**20 x 124 x 115 mm (0.8 x 4.9 x 4.5 inch) , (W x H x D) housing type B2**

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