AUTOMATION TRADER

KFD2-STC4-EX2

Industrial automation components

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Manufacturer	Pepperl+Fuchs
Catalog number	kfd2-stc4-ex2
Category	Industrial automation components
Product type	Industrial automation components
Status	Legacy / discontinued

Technical specification

Weight	0.18 kgs
Signal Type	24
Napięcie zasilania	24 V
Channel Configuration	2
Signal Level	24 V
Voltage	24 V DC
Manufacturer	Pepperl+Fuchs
Part Number	KFD2-STC4-EX2
Category	Podzespoły automatyki przemysłowej

Description

The Pepperl+Fuchs KFD2-STC4-EX2 is a SMART transmitter power supply designed for hazardous areas. It provides a 24 V DC supply to 2-wire SMART transmitters, transferring analog input signals to a safe area as isolated current.

The device supports SMART protocols such as HART, BRAIN, and Foxboro 2. It features a 2-channel isolated barrier, internal 250 Ω resistance for HART communication, and integrated test sockets for HART communicators.

The KFD2-STC4-EX2 complies with SIL 2 according to IEC 61508 and is approved for use in Zone 0, 1, 2, Div. 1, and 2 hazardous areas. It operates within a temperature range of -20 to 60 °C and has a degree of protection IP20.

The device is powered via a 24 V DC supply (Power Rail) and has a power consumption of up to 2.7 W. It offers galvanic isolation with a voltage peak value of 375 V between input/output and input/power supply.

The KFD2-STC4-EX2 is suitable for applications requiring intrinsic safety and reliable signal transmission in hazardous environments.