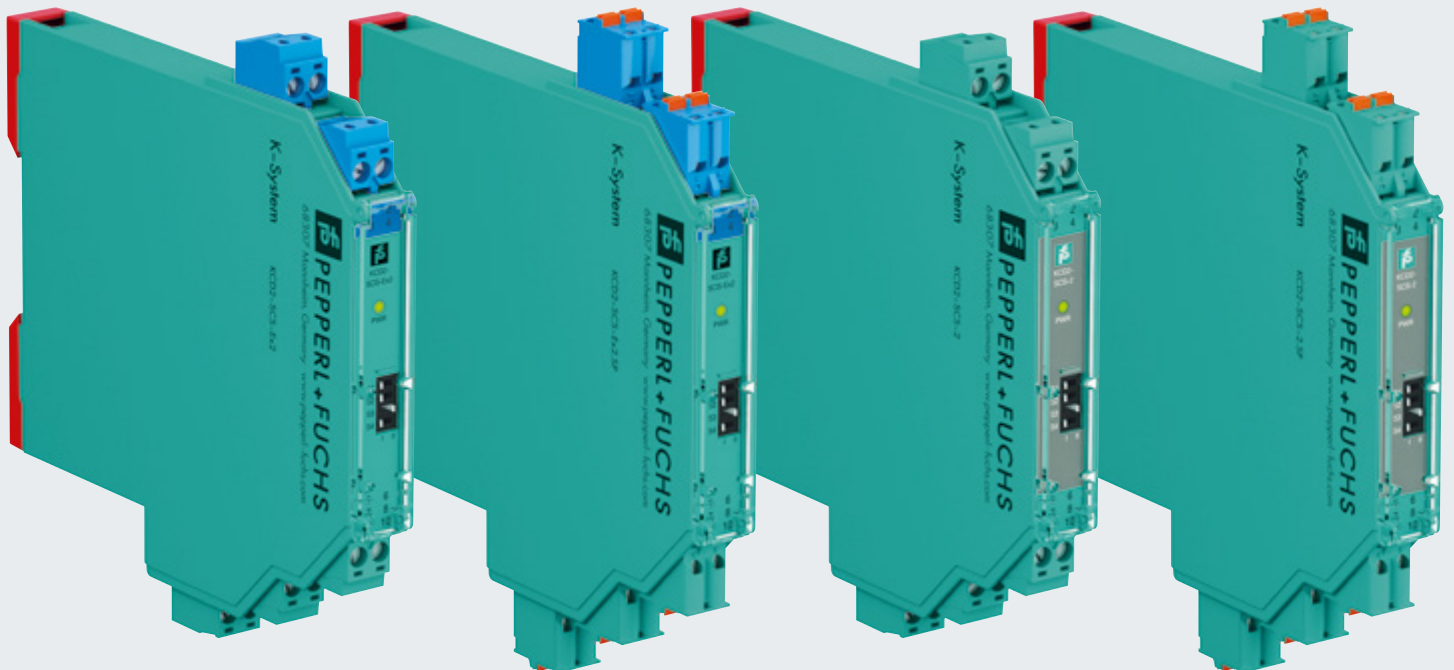


# Two Functions— One Device.

Leading Interface Technology from  
Pepperl+Fuchs

2-channel SMART Transmitter  
Power Supplies/Current Drivers  
KCD2-SCS\*



Your automation, our passion.

 **PEPPERL+FUCHS**

# SMART Transmitter Power Supply and SMART Current Driver

## Application

Positioners are often equipped with analog position indicators that provide feedback to the controller to confirm that the correct position has been reached. This feedback is typically sent back to the control system as a 4 ... 20 mA signal. Previously, a separate isolator module was required for the input and output signal.

The KCD2-SCS\* combines both functions in one device. The intrinsic safety barrier is a 2-channel module that works with SMART analog input or analog output signals. As each channel is configurable, positioner control can be selected for one channel (AO) and positioner monitoring for the second channel (AI). This eliminates the need for two separate modules, resulting in a smaller footprint in the control cabinet.

## Features

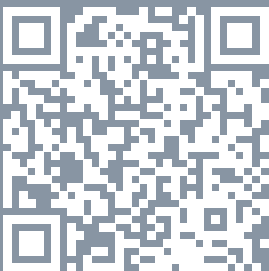
- 2-channel devices for analog input and output signals
- Each channel can be configured individually as input or output
- Functions: Transmitter power supply for 2-wire transmitters, current driver for positioners
- Current sink and source on control side for analog input signals

## Operating Conditions

- Ex certifications: ATEX, IECEx, UL
- Functional safety: SIL 2 (SC 3) acc. to IEC61508 ed2 (TÜV Rheinland)
- Ambient temperature: -40 °C ... +70 °C (-40 °F ... +158 °F)
- HART-transparent
- Housing width: 12.5 mm

| Type code    | KCD2-SCS.Ex2    | KCD2-SCS.Ex2.SP                                     | KCD2-SCS-2      | KCD2-SCS-2.SP                                       |
|--------------|-----------------|---|-----------------|---|
| Ex-certified | ■               | ■   |                 |   |
| Terminals    | Screw terminals | Spring terminals with push-in connection technology | Screw terminals | Spring terminals with push-in connection technology |
| Partnumber   | 70166762        | 70166764  | 70166765        | 70166766  |

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## Benefits and USPs

- 2-channel devices for analog signals with individual configurability of the channels are unique
- The SCS devices combine the functions of the KFD2-SCD2-EX2.LK and the KFD2-STC4/5-EX2 in one device
- More functions in one device mean fewer components in stock, in catalogs, and in planning