



- 1-channel
- Output Ex ia IIC
- · ATEX approval
- Device installation in Zone 2
- · 24 V DC supply voltage
- Lead breakage (LB) and short-circuit (SC) monitoring
- Transfer of HART signals
- · Power Rail bus
- EMC acc. to NAMUR NE 21

Function

The KSD2-CO-S-Ex transmits a 0/4 mA ... 20 mA current signal into the hazardous area. Loads between 30 Ω ... 750 Ω can be connected. The output is galvanically isolated from the bus and power supply.

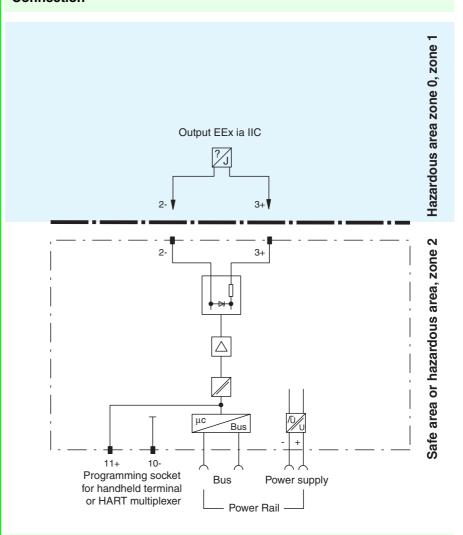
The output field circuit is monitored for lead breakage and short circuit conditions. The device allows for monitoring and programming of positioners, which support the HART protocol.

The KSD2-CO-S-Ex is delivered standard with the KF-STP-** device connectors. The 2.3 mm jacks are integrated in this connector for use with HART communicators. The KFD2-HMM-16 or KFD0-HMS-16 HART multiplexers can be connected to terminals 11+ and 10-.

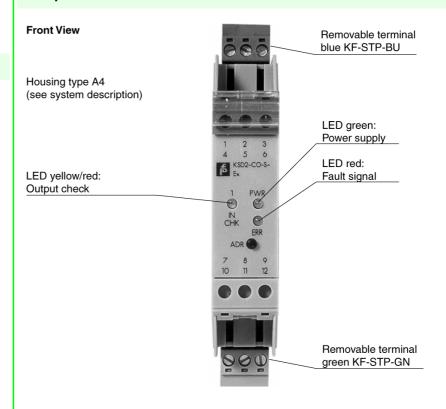
Application

The control of intrinsically safe solenoid valves and positioners. The interface allows a bidirectional communication between the position controller and a handheld terminal or a HART multiplexer. These devices can be connected in the safe area. The bus transfers the digital control signal exclusively.

Connection



Composition



Technical data KSD2-CO-S-Ex

Notes

Software functions

Adjustable by the **PACT***ware*[™] human machine interface:

- TAG numbers, 28 alphanumeric characters, can be programmed into device
- · Commentary, may be saved in PC memory Information on devices may be saved in PC memory
- · Physical units are adjustable
 - list see system description RPI
- · Lead monitoring selectable
- · Separate detection and indication of lead breakage and lead short circuit
- Lower scale value and upper scale value of the measurement range
 - for the determination of the overflow and underflow range
 - for the configuration of the analogue monitor of the human machine interface
- Overrange and underrange alarm
- Malfunction output status
 - user defined
 - min.
 - max.
 - hold last value
- Simulation
 - of the input value
 - of the device diagnosis
 - of the process channel diagnosis