Interface Technology

K-System Isolated Barriers

Analog input signals

Transmitter power supplies

Model Number	Number of channels	Housing width		Input					Output				Functions						Supply				
		12.5 mm	20 mm	2-wire-transmitters	3-wire-transmitters	Current source	4 mA ... 20 mA	0(4) mA ... 20 mA	0(4) mA ... 20 mA	0(2) V ... 10 V	0(1) V ... 5 V	1 V ... 5 V	Test sockets	Splitter function	For higher field voltages	Line fault detection	For long field lines	Fault indication output	24 V DC	SIL 3	SIL 2	Installation in Zone 2	Installation in Div. 2
KCD2-STC-EX1	1	■		■		■	■		■		■								■		■	■	■
KCD2-STC-EX1.ES	1	■		■		■	■		■		■					■		■	■	■		■	■
KFD2-STC3-EX1	1		■	■			■		■				■						■			■	■
KFD2-STC5-EX1	1		■	■	■	■		■	■				■						■		■	■	■
KFD2-STC5-EX1.2O	1		■	■	■	■		■	■				■	■					■	■		■	■
KFD2-STC5-EX1.2O.H	1		■	■	■	■		■	■				■	■	■				■	■		■	■
KFD2-STC5-EX1.H	1		■	■	■	■		■	■				■		■				■		■	■	■
KFD2-STC5-EX2	2		■	■	■	■		■	■				■						■		■	■	■
KFD2-STV5-EX1-1	1		■	■	■	■		■			■		■						■		■	■	■

Transmitter power supplies with trip values

Model Number	Number of channels	Housing width	Input		Output		Supply				
		40 mm	2-wire-transmitters	3-wire-transmitters	0(4) mA ... 20 mA	Relays	20 V ... 90 V DC/ 48 V ... 253 V AC	24 V DC	SIL 2	Installation in Zone 2	Installation in Div. 2
KFD2-CRG2-EX1.D	1	■	■	■	■	■		■	■	■	■
KFU8-CRG2-EX1.D	1	■	■	■	■	■	■		■	■	■

Transmitter power supplies with HART communication

Model Number	Number of channels	Housing width	Input				Output		Functions			Supply		
		40 mm	3-wire-transmitters	HART	Transmitter supply	active sources	4 mA ... 20 mA	Relays	Trip relay	HART communication	Splitter function	24 V DC	Installation in Zone 2	Installation in Div. 2
KFD2-HLC-EX1.D	1	■	■	■	■	■	■		■	■	■	■	■	■
KFD2-HLC-EX1.D.2W	1	■	■	■	■	■	■	■	■	■	■	■	■	■
KFD2-HLC-EX1.D.4S	1	■	■	■	■	■	■	■	■	■	■	■	■	