Features

- Adapter for mounting a K-device to S1000 termination board
- Snap-on
- Additional cable sets depending on K-device

Function

The S1000 system is not maintained any longer.

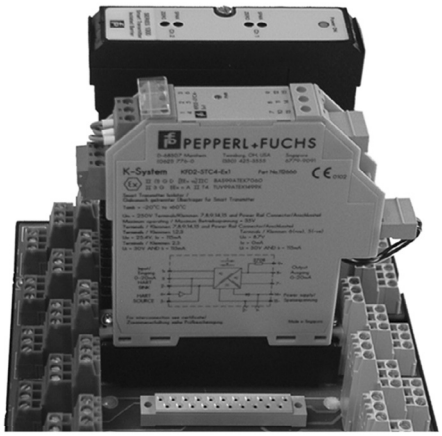
To be able to maintain existing installations the S1000-KFD adapter enables the mounting of an equivalent K-system module. A table with correspondent S1000 and K devices allows the correct selection of the K-device.

The adapter is an accessory to the K-device. It serves the mechanical mounting on the termination board.

Warning!

The adapter S1000-KFD must only be used with an Ex-certified K module. Every single usage results in improper utilization and therefore endangers the intrinsic safety!

Assembly



Connection

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Supply		
Rated voltage	U_n	20.4 ... 30 V DC
Electrical specifications		
Connection		see data leaflet module
Conformity		
Degree of protection		IEC 60529
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Degree of protection		IP20
Connection		see data leaflet device
Mass		approx. 50 g
Dimensions		95 x 21 x 30 mm (3.7 x 0.8 x 1.2 inch)
Data for application in connection with hazardous areas		
EC-Type Examination Certificate		CESI 04 ATEX 142 X
Group, category, type of protection		⟨Ex⟩ II (1)G [EEx ia] IIC [circuit(s) in zone 0/1/2]
Supply		
Maximum safe voltage	U_m	250 V AC / 375 V DC (Attention! U_m is no rated voltage.)
Directive conformity		
Directive 94/9/EC		EN 50014, EN 50020
General information		
Supplementary information		EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com.

Correspondent tables

Devices with analogue inputs

S1000 type code	alternative KFD2 type code	Product code	Restrictions
1021/A/0/0242/AA	KFD2-STC1-Ex1	AI01	–
	KFD2-STC3-Ex1	AI02	Honeywell DE protocol not available
1021/A/0/0242/VV	KFD2-STV1-Ex1	AI03	–
	KFD2-STV3-Ex1´	AI04	Honeywell DE protocol not available
1022/A/0/0242/AA	KFD2-STC4-Ex2	AI05	Honeywell DE protocol not available
1022/A/0/0242/VV	KFD2-STV4-Ex2-1	AI06	Honeywell DE protocol not available
1023/A/0/0242/AA	KFD2-CR-Ex1.30200	AI07	–
	KFD2-STC3-Ex1	AI08	max. V_{tx} 16.5 V
1023/A/0/0242/VV	KFD2-STV3-Ex1	AI09	max. V_{tx} 16.5 V
1025/A/0/0242/AA	KFD2-STC3-Ex1	AI10	–
	KFD2-STC4-Ex1	AI19	–
1025/A/0/0242/VV	KFD2-STV3-Ex1-1	AI11	–
	KFD2-STV4-Ex1-1	AI20	–
1026/A/0/0242/AA	KFD2-STC4-Ex2	AI12	–
1026/A/0/0242/VV	KFD2-STV4-Ex2-1	AI13	–
1029/A/0/0242/SA	KFD2-STC4-Ex1-Y112669	AI14	–
1029/A/0/0242/AA	KFD2-STC3-Ex1	AI15	–
	KFD2-STC4-Ex1	AI21	–
1029/A/0/0242/VV	KFD2-STV3-Ex1-1	AI16	–
	KFD2-STV4-Ex1-1	AI22	–
1030/A/0/0242/AA	KFD2-STC4-Ex2	AI17	–
1030/A/0/0242/VV	KFD2-STV4-Ex2-1	AI18	–

Devices with analogue outputs

S1000 type code	alternative KFD2 type code	Product code	Restrictions
1031/H/0/0242/AA	KFD2-CD-Ex1.32.0	AO01	–
1031/H/0/0202/DD			–
1031/H/0/0242/DD	KFD2-CD-Ex1.32.1	AO02	–
1031/H/0/0202/AA	KFD2-CD-Ex1.32.2	AO03	–
1031/V/0/0315/AA	KFD2-CD-Ex1.32.3	AO04	–
1032/H/0/0242/AA	KFD2-CD2-Ex2	AO05	–
	KFD2-SCD2-Ex2.LK		minimum load 100 Ω , line fault detection active
1033/H/0/0242/AA	KFD0-CS-Ex1.50P	AO06	–
1034/H/0/0242/AA	KFD0-CS-Ex2.50P	AO07	–
1035/H/0/0250/FD	KFD0-CS-Ex1.51P	AO08	–

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1036/H/0/0250/FD	KFD0-CS-Ex2.51P	AO09	–
1037/A/0/0242/AA	KFD2-SCD-Ex1.LK	AO10	–
1038/A/0/0242/AA	KFD2-SCD2-Ex2.LK	AO11	–
1039H/0/0204/FD	KFD0-CS-Ex1.51P	AO12	–
1039H/0/0242/FD			–
1040H/0/0204/FD	KFD0-CS-Ex2.51P	AO13	–
1040H/0/0242/FD			–

Devices with digital inputs

S1000 type code	alternative KFD2 type code	Product code	Restrictions
1821/x/0/xxxx/BB	KFD2-SR2-Ex1.W.LB	DI01	to be used only for SELV signal
1821/x/0/xxxx/CC		DI02	to be used for NON-SELV signal (mains voltage)
1822/x/0/xxxx/BB	KFD2-SR2-Ex2.W	DI03	to be used only for SELV signal, inputs not insulated
1822/x/0/xxxx/CC		DI04	to be used for NON-SELV signal (mains voltage), inputs not insulated
1841/x/0/xxxx/LL	KFD2-SOT-Ex1.LB.IO	DI05	–
1841/x/0/xxxx/HH		DI06	–
1842/x/0/xxxx/LL	KFD2-SOT2-Ex2.IO	DI07	–
1842/x/0/xxxx/HH		DI08	–

Devices with digital outputs

S1000 type code	alternative KFD2 type code	Product code	Restrictions
1861/U/0/0070/xx	KFD0-RO-Ex2	DO01	U_m max. 40 V
1862/U/0/0070/xx			
1871/L/0/0060/UU	KFD2-SL-Ex1.48.90A	DO03	–
1871/L/0/0050/WW			–
1871/U/0/0070/UU	KFD2-SD Ex1.48.90A	DO04	–
1871/U/0/0070/UU			–
1872/L/0/0050/WW	KFD2-SL2-Ex2	DO05	–
1872/L/0/0060/UU			–
1881/U/0/0070/UU	KFD2-SD-Ex1.36	DO06	–
1872/C/0/0040/UU	KFD2-SL2-Ex2	DO07	–
1872/C/0/0030/WW			–

Devices with low level inputs

S1000 type code	alternative KFD2 type code	Product code	Restrictions
1011/H/0/0202/AA	KFD2-CR-Ex1.20300	LI01	On 1061 output is NON linearized. On UT output is linearized.
1011/H/0/0242/AA	KFD2-STC4-Ex1	LI12	–
1011/H/0/0202/VV	KFD2-STV4-Ex1-1	LI13	–
1011/H/0/0242/VV			–
1061/x/x/xxxx/AA	KFD2-UT-Ex1	LI02	On 1061 output is NON linearized. On UT output is linearized.
1061/x/x/xxxx/VV	KFD2-UT-Ex1-1	LI03	–
1071/x/x/xxxx/AA	KFD2-UT-Ex1	LI04	–
1071/x/x/xxxx/VV	KFD2-UT-Ex1-1	LI05	–
1065/M/1/0880/MV	KFD2-VR-Ex1.50m	LI06	Check for the proper input range.
	KFD2-VR-Ex1.500m	LI07	–
1065/M/2/0880/MV	KFD2-VR-Ex1.50m.L	LI08	–
1065/M/3/0880/MV	KFD2-VR-Ex1.50m.R	LI09	–
1062/x/x/xxxx/xx	KFD2-UT2-Ex2	LI10	On 1062 output is NON linearized. On UT2 output is linearized.
1072/D/x/xxxx/xx	KFD2-UT2-Ex2	LI11	–
1072/F/x/xxxx/xx			–

Devices with trip values

S1000 type code	alternative KFD2 type code	Product code	Restrictions
1310/H/x/xxxx/xx	KFD2-GU-Ex1	TA01	U_m max. 40 V, to be used for NON-SELV signal (mains voltage)
1311/H/x/xxxx/xx		TA02	U_m max. 40 V, to be used for SELV signal
1310/V/x/xxxx/xx	KFD2-GU-Ex1	TA03	U_m max. 40 V, to be used for NON-SELV signal (mains voltage)
1311/V/x/xxxx/xx		TA04	U_m max. 40 V, to be used for SELV signal
1360/x/x/xxxx/xx	KFD2-GU-Ex1	TA05	U_m max. 40 V, to be used for NON-SELV signal (mains voltage)
1361/x/x/xxxx/xx		TA06	U_m max. 40 V, to be used for SELV signal
1370/x/x/xxxx/xx	KFD2-GU-Ex1	TA07	U_m max. 40 V, to be used for NON-SELV signal (mains voltage)

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1371/x/x/xxxx/xx		TA08	U_m max. 40 V, to be used for SELV signal

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