

Compatibility for FieldConnex® Process Interfaces

Audience	All users of FieldConnex® Process Interfaces
Objective	This document lists compatibility of sensors and actors with process interfaces: Multi input output, valve coupler and binary interface

FieldConnex Components

Multi-Input Output with 12 channels for discrete inputs and valve control:

- R8D0-MIO-Ex12* for DIN-Rail installation
- F2D0-MIO-Ex12* in aluminum housing
 - F.MIO.P12* in GRP enclosure
 - F.MIO.S12* in stainless steel enclosure

Valve coupler and binary interface:

- FD0-VC-Ex4.FF 8 channel sensor interface (plus 4 optional valve interfaces) for FOUNDATION Fieldbus
- FD0-VC-Ex4.PA 8 channel sensor interface (plus 4 optional valve interfaces) for PROFIBUS PA
- FD0-BI-Ex12.PA 12 channel sensor interface for PROFIBUS PA

Compatible Pilot Valves

The following low-power, intrinsically safe valves are connectable to Multi-Input Output or Valve Coupler as listed above:

Manufacturer	Valve Type	Type
ASCO Numatics	Piezo valve, 6 V version	63000059
		63000060
		63000061
		63000062
Herion / Norgren	Low-power valve, 6 V version	2085
Samson	Solenoid valve, 6 V version	3776
		3701
		3963
	Solenoid valve island, 6 V version	3965
Seitz	Solenoid valve	PV12 F73 Xi oH

Compatible Sensors

Where noted under comment please review the following application information:

- [1] The valve's position indicating LED needs to be deactivated by cutting through the onboard wire strap.
- [2] The valve circuit needs to be connected to the sensor in reverse polarity in order to disable the integrated position indicating LED.
- [3] Sensor operates only with FD0-VC-Ex4*.

All sensors currently available are marked **green**. For the installed base all sensors cancelled are listed in **red**.

Sensor Type	A-No.	Type Code	Comment
Float switch	185354	LFL1-BK-N-CSM10	
Float switch	102354	LFL1-BK-N-CSM3	
Float switch	102357	LFL1-BK-N-CSM5	
Float switch	116960	LFL1-BK-N-PUR10	
Float switch	116118	LFL1-BK-N-PUR20	
Float switch	102358	LFL1-BK-N-PUR3	
Float switch	102359	LFL1-BK-N-PUR5	
Float switch	97800	LFL1-BK-N-PVC10	
Float switch	102360	LFL1-BK-N-PVC3	
Float switch	102361	LFL1-BK-N-PVC5	
Float switch	102363	LFL1-CK-N-CSM10	
Float switch	102365	LFL1-CK-N-CSM3	
Float switch	102366	LFL1-CK-N-CSM5	
Float switch	118042	LFL1-CK-N-PUR10	
Float switch	102367	LFL1-CK-N-PUR3	
Float switch	114199	LFL1-CK-N-PUR30	
Float switch	102368	LFL1-CK-N-PUR5	
Float switch	102369	LFL1-CK-N-PVC10	
Float switch	102371	LFL1-CK-N-PVC3	
Float switch	102372	LFL1-CK-N-PVC5	
Inductive sensor	128864	NCB1,5-6,5M25-N0	
Inductive sensor	128863	NCB1,5-6,5M25-N0-V1	
Inductive sensor	128868	NCB1,5-8GM25-N0	
Inductive sensor	128870	NCB1,5-8GM25-N0-10M	
Inductive sensor	128869	NCB1,5-8GM25-N0-5M	
Inductive sensor	128867	NCB1,5-8GM25-N0-V1	
Inductive sensor	181169	NCB2-12GK35-N0	
Inductive sensor	181094	NCB2-12GM35-N0	
Inductive sensor	181097	NCB2-12GM35-N0-10M	
Inductive sensor	181098	NCB2-12GM35-N0-21M	
Inductive sensor	181096	NCB2-12GM35-N0-5M	

Sensor Type	A-No.	Type Code	Comment
Inductive sensor	181099	NCB2-12GM35-N0-V1	
Inductive sensor	181086	NCB4-12GM40-N0	
Inductive sensor	181087	NCB4-12GM40-N0-V1	
Inductive sensor	181088	NCB8-18GM40-N0	
Inductive sensor	181089	NCB8-18GM40-N0-V1	
Inductive sensor	106306	NCN3-F25F-N4-V1	
Inductive sensor	106311	NCN3-F25-N4-0,14	
Inductive sensor	106310	NCN3-F25-N4-5M	
Inductive sensor	106315	NCN3-F25-N4-V1	
Inductive sensor	222679	NCN3-F31K-N4	
Inductive sensor	222680	NCN3-F31K-N4-K	[2]
Inductive sensor	222681	NCN3-F31K-N4-K-S	[2]
Inductive sensor	223953	NCN3-F31K-N4-S	
Inductive sensor	222682	NCN3-F31K-N4-V1-V1	[2]
Inductive sensor	233552	NCN3-F31K-N5-K	[2] [3]
Inductive sensor	223954	NCN3-F31-N4-K	[2]
Inductive sensor	223955	NCN3-F31-N4-K-10M	
Inductive sensor	223956	NCN3-F31-N4-K-K	[2]
Inductive sensor	223957	NCN3-F31-N4-V1	
Inductive sensor	223959	NCN3-F31-N4-V16-K	[2]
Inductive sensor	223961	NCN3-F31-N4-V16-V16	[2]
Inductive sensor	223962	NCN3-F31-N4-V18	
Inductive sensor	106331	NJ0,8-4,5-N	
Inductive sensor	106334	NJ0,8-5GM-N	
Inductive sensor	106336	NJ0,8-5GM-N-10M	
Inductive sensor	106335	NJ0,8-5GM-N-5M	
Inductive sensor	106350	NJ1,5-6,5-N	
Inductive sensor	106351	NJ1,5-6,5-N-15M	
Inductive sensor	106352	NJ1,5-6,5-N-5M	
Inductive sensor	106361	NJ1,5-8GM-N	
Inductive sensor	106362	NJ1,5-8GM-N-10M	
Inductive sensor	106363	NJ1,5-8GM-N-5M	
Inductive sensor	106364	NJ1,5-8GM-N-V1	
Inductive sensor	106389	NJ2-12GK-N	
Inductive sensor	106390	NJ2-12GK-N-5M	
Inductive sensor	106394	NJ2-12GM-N	
Inductive sensor	106395	NJ2-12GM-N-10M	
Inductive sensor	106636	NJ2-12GM-N-5M	
Inductive sensor	106397	NJ2-12GM-N-V1	
Inductive sensor	106429	NJ4-30GM-N-200	
Inductive sensor	106433	NJ5-11-N	
Inductive sensor	106434	NJ5-11-N-15M	
Inductive sensor	106435	NJ5-11-N-5M	

Sensor Type	A-No.	Type Code	Comment
Inductive sensor	106437	NJ5-11-N-G	
Inductive sensor	106438	NJ5-11-N-G-10M	
Inductive sensor	106439	NJ5-11-N-G-5M	
Inductive sensor	106440	NJ5-11-N-G-6M	
Inductive sensor	104533	PL2-F25-N4-K	
Inductive sensor	104485	PL3-F25-N4-K	[1]
Inductive ring sensor	95912	RC10-14-N0	
Inductive slot sensor	45585	SC3,5-G-N0	
Inductive slot sensor	114211	SC3,5-G-N0-6M	
Inductive slot sensor	106567	SC3,5-N0-BU	
Inductive slot sensor	106569	SC3,5-N0-GN	
Inductive slot sensor	106700	SC3,5-N0-WH	
Inductive slot sensor	106575	SJ2-N	
Inductive slot sensor	273025	SJ2-SN	
Inductive slot sensor	106579	SJ3,5-G-N	
Inductive slot sensor	105910	SJ3,5-N	
Inductive slot sensor	106583	SJ3,5-N-BU	
Inductive slot sensor	106585	SJ3,5-N-GN	
Inductive slot sensor	106586	SJ3,5-NLED	
Inductive slot sensor	273027	SJ3,5-S1N	
Inductive slot sensor	273026	SJ3,5-SN	
Inductive sensor	106277	NCB1,5-6,5M25-N0	
Inductive sensor	116599	NCB1,5-6,5M25-N0-10M	
Inductive sensor	115596	NCB1,5-6,5M25-N0-5M	
Inductive sensor	106618	NCB1,5-6,5M25-N0-V1	
Inductive sensor	106278	NCB1,5-8GM25-N0	
Inductive sensor	106279	NCB1,5-8GM25-N0-10M	
Inductive sensor	106280	NCB1,5-8GM25-N0-5M	
Inductive sensor	106281	NCB1,5-8GM25-N0-V1	
Inductive sensor	106282	NCB10-30GM40-N0	
Inductive sensor	106285	NCB10-30GM40-N0-10M	
Inductive sensor	106283	NCB10-30GM40-N0-15M	
Inductive sensor	106284	NCB10-30GM40-N0-5M	
Inductive sensor	106286	NCB10-30GM40-N0-V1	
Inductive sensor	86438	NCB2-12GK35-N0	
Inductive sensor	106287	NCB2-12GM35-N0	
Inductive sensor	106288	NCB2-12GM35-N0-10M	
Inductive sensor	106290	NCB2-12GM35-N0-5M	
Inductive sensor	106291	NCB2-12GM35-N0-V1	
Inductive sensor	106292	NCB2-F1-N0	
Inductive sensor	106295	NCB5-18GM40-N0	
Inductive sensor	106296	NCB5-18GM40-N0-10M	
Inductive sensor	106297	NCB5-18GM40-N0-5M	

Sensor Type	A-No.	Type Code	Comment
Inductive sensor	106298	NCB5-18GM40-N0-V1	
Inductive sensor	106303	NCN3-F24L-N4	
Inductive sensor	106305	NCN3-F24R-N4	
Inductive sensor	106309	NCN3-F25-N4	
Inductive sensor	106314	NCN3-F25-N4-K1V1	
Inductive sensor	97631	NCN3-F31K-N4	
Inductive sensor	97633	NCN3-F31K-N4-K	[2]
Inductive sensor	97634	NCN3-F31K-N4-V1-V1	[2]
Inductive sensor	47571	NCN3-F31-N4-K	
Inductive sensor	48105	NCN3-F31-N4-K-K	[2]
Inductive sensor	130428	NCN3-F31-N4-V1	
Inductive sensor	95124	NCN3-F31-N4-V16-K	[2]
Inductive sensor	43736	NCN3-F31-N4-V16-V16	[2]
Inductive sensor	48258	NCN3-F31-N4-V18	
Inductive sensor	113725	NCN3-F31-N5-V18-V1	[2]
Inductive sensor	223964	NCN3-F31-N5-V18-V1	[2]
Inductive sensor	86439	NCN4-12GK35-N0	
Inductive sensor	106320	NCN4-12GM35-N0	
Inductive sensor	106321	NCN4-12GM35-N0-10M	
Inductive sensor	106322	NCN4-12GM35-N0-5M	
Inductive sensor	106323	NCN4-12GM35-N0-V1	
Inductive sensor	106326	NCN8-18GM40-N0	
Inductive sensor	112692	NCN8-18GM40-N0-10M	
Inductive sensor	106327	NCN8-18GM40-N0-5M	
Inductive sensor	106328	NCN8-18GM40-N0-V1	
Inductive sensor	106627	NJ2-11-SN	
Inductive sensor	106628	NJ2-11-SN-G	
Inductive sensor	106629	NJ2-11-SN-G-10M	
Inductive sensor	106630	NJ2-11-SN-G-5M	
Inductive sensor	106633	NJ2-12GK-SN	
Inductive sensor	106634	NJ2-12GK-SN-10M	
Inductive sensor	106396	NJ2-12GM-N-21M	
Inductive sensor	106405	NJ2-F1-N	
Inductive sensor	106406	NJ2-V3-N	
Inductive sensor	106407	NJ2-V3-N-V5	
Inductive sensor	106639	NJ3-18GK-S1N	
Inductive sensor	106641	NJ4-12GK-SN	
Inductive sensor	106649	NJ5-30GK-S1N	
Inductive sensor	106650	NJ5-30GK-S1N-10M	
Inductive sensor	106651	NJ5-30GK-S1N-5M	
Inductive sensor	106654	NJ6-22-SN	
Inductive sensor	106656	NJ6-22-SN-G	
Inductive sensor	106657	NJ6-22-SN-G-10M	

Sensor Type	A-No.	Type Code	Comment
Inductive sensor	106658	NJ6-22-SN-G-3M	
Inductive sensor	104531	PL1-F25-N4-K	[1]
Inductive sensor	104535	PL4-F25-N4-K	[1]
Inductive slot sensor	106699	SC3,5-N0	
Inductive slot sensor	106704	SJ2-S1N	
Inductive slot sensor	106718	SJ2-SN	
Inductive slot sensor	106588	SJ3,5-NWEISS	
Inductive slot sensor	106709	SJ3,5-S1N	
Inductive slot sensor	106710	SJ3,5-SN	