

Configurable availability for constant safety

The H41q and H51q system families use the same extensive range of I/O modules. This allows them to be individually matched to application-specific requirements, and makes upgrades, obtaining spare parts, training and documentation much easier.

The use of I/O modules with integral Ex separation eliminates a complete cabinet level.

The new F3349 module allows shut-down channel-by-channel. If one channel fails, only this channel is shut down. All the others continue to work without failure, which increases process availability.

CPUs		SIL	Communication interfaces	Programming interfaces	Protocols	Note
CPU	F8650E	3	2	Yes	MODBUS, master/slave, HIPRO-S/N-slave	CPUs for H51q each with 1 MB user, operating system and data memory
	F8652E	3	2	Yes	MODBUS, master/slave, HIPRO-S/N-slave	CPUs for H41q each with 1 MB user, operating system and data memory
Communication modules	F8621A	3	2	Yes	MODBUS-slave, HIPRO-S/N-slave	RS485 interfaces
	F8627	3*	1	-	OPC DA, OPC A&E, safe ethernet	100 Base-T, RJ45 interface
	F8628	0	1	-	Profibus-DP slave	
I/O modules		SIL	Channels	LB/LS	Ex	Note
Input modules digital	F3236	3	16	-	-	Contacts, 1 signal 24 V DC
	F3240	3	16	-	-	Contacts, 1 signal 110 DC/127 V AC
	F3248	3	16	-	-	Contacts, 1 signal 48 V DC
Input modules Initiator	F3237	3	8	Yes	-	SN-, NAMUR initiators, wired contacts
	F3238	3	8	Yes	Yes	SN-, NAMUR initiators, wired contacts, 8 DU wide, ATEX
Input modules analog	F6214	3	4	Yes	-	Current, voltage, integrated transmitter supply sources
	F6217	3	8	Yes	-	Current, voltage
	F6221	3	8	Yes	Yes	Current, voltage, ATEX
Output modules digital	F3325	3	6	-	Yes	Ex transmitter supply module for F6221, ATEX
	F3330	3	8	-	-	24 V DC to 0,5 A
	F3331	3	8	Yes	-	24 V DC to 0,5 A
	F3333	3	4	-	-	24 V DC to 2 A
	F3334	3	4	Yes	-	24 V DC to 2 A
	F3335	3	4	-	Yes	24 V DC, ATEX
	F3348	3	8	-	-	48 V DC to 0,5 A
Output modules analog	 F3349	3	8	Yes	-	24 V DC/48 V DC to 0,5 A
	F6705	3	2	-	-	Current
Special modules	F3430	3	4	-	-	Relay module, 110 V DC/250 V AC to 4 A
	F5220	3	2	Yes	-	Counter module initiator, 5 V DC, 24 V DC to 1 MHz, 2 integral digital outputs 24 V DC to 0,5 A
	F6220	3	8	Yes	Yes	Ex thermocouple module, ATEX

* in conjunction with safety-related protocol