SIEMENS

SIMATIC
S7-1200
S7-1200 Fail-Safe I/O module HSP
Product Information

The following products have been added to the S7-1200 family. These products require hardware support package (HSP_V13SP1_0145_001_S71200_F-IO_2.0).

The article numbers of the signal modules affected by HSP_V13SP1_0145_001_S71200_F-IO_2.0 are shown below.

Signal modules	Description	Article number
Digital input	SM 1226 F-DI 16 x 24 VDC	6ES7 226-6BA32-0XB0
Digital output	SM 1226 F-DQ 4 x 24 VDC	6ES7 226-6DA32-0XB0
	SM 1226 F-DQ 2 x Relay	6ES7 226-6RA32-0XB0

Refer to the SIMATIC S7-1200 Functional Safety Manual for more information about the S7-1200 Fail-Safe products.

Software requirements

To use the signal modules with STEP 7 V13 SP1, you must configure the modules with the corresponding hardware support package, HSP_V13SP1_0145_001_S71200_F-IO_2.0.

Additional assistance

For assistance in answering technical questions, for training on these products, or for ordering contact your Siemens distributor or sales office.

Note

The fail-safe SMs ensure the safe processing of field information (for example, sensors for emergency OFF pushbuttons and light barriers and actuators for motor control). The fail-safe SMs have the required hardware and software components for safe processing, in accordance with the required Safety Integrity Level (SIL).

- The SM 1226 F-DI 16 x 24 VDC has two sensor supply outputs that can each power eight external sensors (inputs).
- The SM 1226 F-DQ 4 x 24 VDC is suitable for solenoid valves, DC contactors, and indicator LEDs. It has four outputs with P- and M-switching that are rated for connection to 24 VDC actuators with up to a 2.0 A rating.
- The SM 1226 F-DQ 2 x Relay has two output channels (F-DQ a.0 and F-DQ a.1). Each channel includes two circuits that switch mechanically linked contacts at the same time. Each circuit has two contacts in series controlled by independent relay coils.

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