

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7132-4HB00-0AB0

RELAY OUTPUT MODULE

Used with the applicable ET 200S configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens product data sheet

3.6 Limitations/restrictions (IEC 61508, NFPA 79–2002, NRTL)

3.6.6 Standard SIMATIC I/O

The following standard SIMATIC ET 200M modules are permitted for safety-related inputs/outputs:

ET 200M module	Order No.
Interface module IM361	6ES7361-3CA01-0AA0
SM321 digital input, 16 inputs	6ES7321-1BH02-0AA0
SM321 digital input, 32 inputs	6ES7321-1BL00-0AA0
SM322 digital output, 16 outputs, 0.5 A	6ES7322-1BH01-0AA0
SM322 digital output, 32 outputs, 0.5 A	6ES7322-1BL00-0AA0
SM322 digital output, 8 relay outputs	6ES7322-1HF01-0AA0
SM322 digital output, 16 relay outputs	6ES7322-1HH01-0AA0

Additional limitations/restrictions for standard SIMATIC ET 200M modules:

- All standard SIMATIC ET 200M input/output modules that are used for safety-related inputs/outputs (SGE/SGA) may only be inserted in rack 1, 2 or 3 of the SINUMERIK NCU (i.e. not in racks of other SIMATIC-CPU's coupled for example via CPs – or similar)

The following standard SIMATIC ET 200S modules are permitted for safety-related inputs/outputs:

ET 200S module	Order No.
IM151-1 interface module	6ES7151-1AA02-0AB0
IM151-1 interface module	6ES7151-1AA03-0AB0
IM151-1 interface module	6ES7151-1AA04-0AB0
PM-E power module	6ES7138-4CA00-0AA0
PM-E power module	6ES7138-4CA01-0AA0
Electronics module, 4 inputs	6ES7131-4BD00-0AA0
Electronics module, 4 inputs	6ES7131-4BD01-0AA0
Electronics module, 4 outputs 2 A	6ES7132-4BD30-0AA0
Electronics module, 4 outputs 2 A	6ES7132-4BD31-0AA0

3.6 Limitations/restrictions (IEC 61508, NFPA 79–2002, NRTL)

ET 200S module	Order No.
Electronics module, 2 relays	6ES7132-4HB00-0AB0
Electronics module, 2 relays	6ES7132-4HB01-0AB0
Terminal modules	No restrictions

Additional limitations/restrictions for standard SIMATIC ET 200S modules:

- All standard SIMATIC ET 200S input/output modules, that are used for safety-related inputs/outputs (SGE/SGA) may be distributed over a maximum of 3 interface modules. These interface modules must be directly connected to the SINUMERIK NCU via Profibus (i.e. it is not permissible to use repeaters or similar)

General, additional limitations/restrictions for standard SIMATIC modules:

- A total of 64 safety-related external inputs (SGE) and a maximum of 64 safety-related external outputs (SGA) may be connected to all of the standard SIMATIC input/output modules that are being used. It is permissible to mix/combine ET 200M and ET 200S.

Note

The sensor/actuator connection via the sub-system "Standard SIMATIC/SINUMERIK I/O" will no longer be supported or certified at the latest from 2009 onwards.

This is the reason that today we are urgently recommending that only the sub-system "fail-safe PROFIsafe I/O" should be used. This is especially true when engineering new machines and plants or existing machines and plants.
