

SIMATIC ET 200S with high-density modules

The bit-modular SIMATIC ET 200S now has an even more compact design with the new 8-channel digital modules 8DI 24V DC and 8DO 24V DC/0.5A.

There is a powerful market trend towards the implementation of more compact installations in the control cabinet in order to save space and money.

Areas of application include configurations with a high number of channels in which space-saving design is demanded. Examples are:

- in general machine building and plant construction
- conveyor systems
- packaging machinery
- machine tools and production machinery
- automobile industry
- food & beverage in the secondary area (e.g. transportation)

Product features

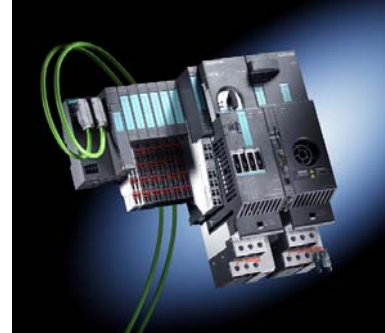
- Hot swapping (replacement during operation under power)
- Permissible ambient temperature 0°C to 60°C
- Connection of 2-wire sensors possible
- 100% simultaneity factor = 4A aggregate current with 8DO
- Increased vibration resistance up to 5g
- Terminals: screw-type, spring-loaded or FastConnect terminals
- The modules are delivered in individual packaging
- Automatic coding of electronic modules and terminal module

Dimensions and suitable terminal module:

- Width 15mm
- Depth 75mm from upper edge of mounting plate
- Height 132mm [FastConnect:162mm]
with TM-E15x24-01 => 8xsignal
- Height 157mm [FastConnect:202mm]
with TM-E15x26-A1 => 8x signal + 4x reference potential via AUX1

Documentation:

<http://support.automation.siemens.com/WW/view/en/22167495>



8-channel DI/DO modules for ET 200S

Customer benefits:

- Compact design resulting from the high-density modules saves space and money
- ET 200S COMPACT expanded with the 8-channel modules guarantees the highest packing density
- Next-smaller terminal box size possible or more components in the same terminal box
- Pre-wiring possible without electronic modules
- Field-proven ET 200S system also for multi-channel configuration

Can be used with:

The use of the 8-channel modules is possible with the following interface modules:

- IM 151-1 BASIC
- IM 151-1 Standard 6ES7151-1AA03-0AB0
- IM 151-1 FO Standard 6ES7151-1AB02-0AB0
- IM 151-1 HF 6ES7151-1BA01-0AB0 V2.1.3
- IM 151-1 COMPACT 16DI / 16DO
- IM 151-1 COMPACT 32DI
- IM 151-3 PN from FW 4.0.1
- IM 151-3 PN High Feature from FW 4.0.1
- IM 151-3 PN FO from FW 4.0.1
- IM 151-7 (F) CPU and IM 151-7 CPU FO

Technical specifications	8-channel electronic module 8DI 24V DC	8-channel electronic module 8DO 24V DC/0.5A
Rated voltage	24V DC	24V DC
Input delay	typ. 3ms	
Input characteristic	IEC 61131, type 1 Connection of 2-wire Beros possible (permissible quiescent current 1.5mA)	
Output current	-	Max. 4A per module 7mA to 0.6A at signal "1" Residual current max. 0.3mA at signal "0"
Order number	6ES7 131-4BF00-0AA0	6ES7 132-4BF00-0AA0