C7-CPUs	Order number
C7-635 Key	6ES7635-2EC01-0AE3
C7-636 Touch	6ES7636-2EB00-0AE3
C7-636 Key	6ES7636-2EC00-0AE3

⚠ WARNING

Use of the module

This module must be configured in a STEP 7 project in which the correct address assignment and allocation of the input/output point is ensured. Using the module without having first carried out this configuration work can lead to machines or processes operating in an unexpected manner.

If machines or processes do run in an unexpected manner, this can result in death, serious injury, and/or material damage.

3.21 Digital output module SM 322; DO 32 x DC 24 V/ 0.5 A; (6ES7322-1BL00-0AA0)

Order number

6ES7322-1BL00-0AA0

Properties

Properties of SM 322; DO 32 **x** DC 24 V/0.5 A:

- 32 outputs, electrically isolated in groups of 8
- Output current 0.5 A
- Rated load voltage 24 V DC
- Suitable for solenoid valves, DC contactors and signal lamps

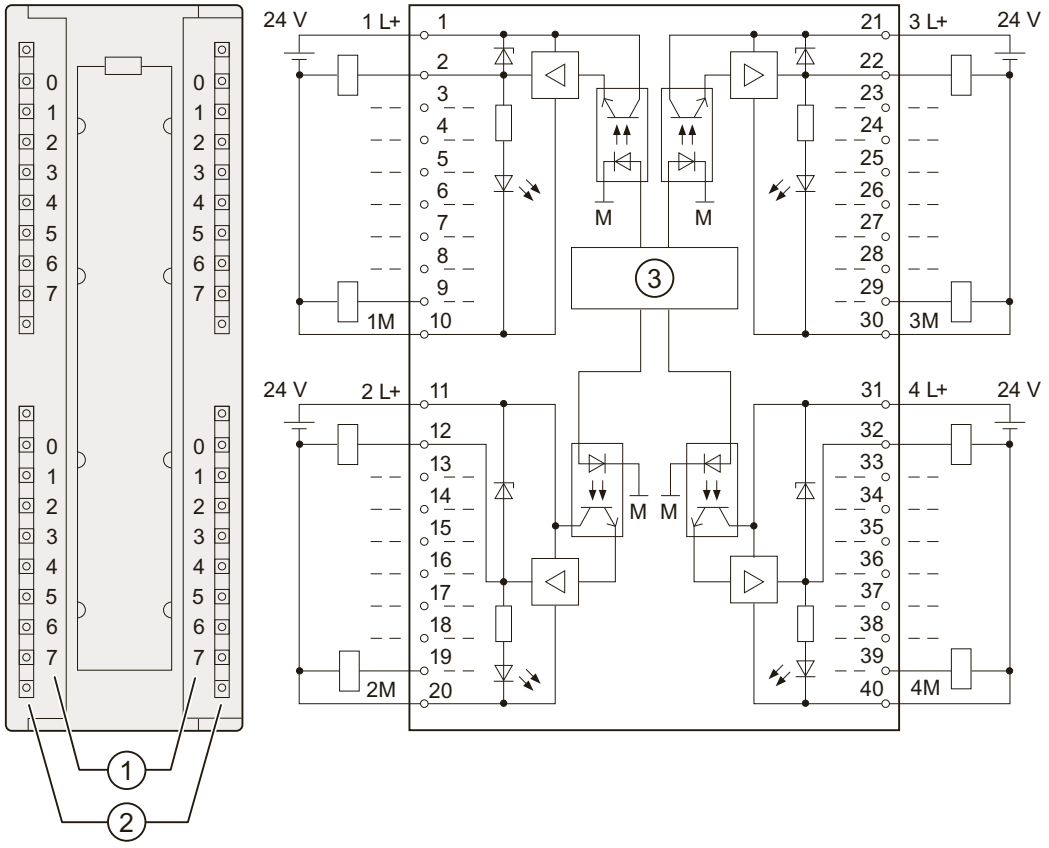
Use of the module with high-speed counters

Please note when using the module in combination with high-speed counters:

NOTE

When using a mechanical contact to switch on the 24-V power supply to SM 322; DO 32 x DC 24 V/0.5 A, its outputs will carry "1" signal for the duration of ca. 50 µs due to the circuit structure.

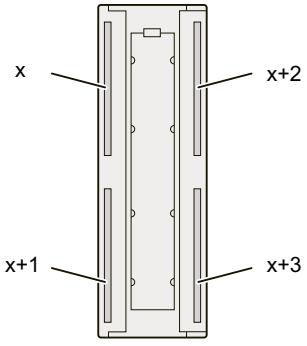
Wiring and block diagram of SM 322; DO 32 x DC 24 V/ 0.5 A



① Channel number
② Status display - green
③ Backplane bus interface

Terminal assignment

The figure below shows the channel addressing (output byte x to output byte x+3).



SM 322; DO 32 x DC 24 V/ 0.5 A - Technical specifications

Technical specifications	
Dimensions and weight	
Dimensions W x H x D (mm)	40 x 125 x 117
Weight	ca. 260 g
Module-specific data	
Supports isochronous mode	no
Number of outputs	32
Cable length • unshielded • shielded	 max. 600 m max. 1000 m
Voltages, currents, electrical potentials	
Rated load voltage L+	24 V DC
Total current of outputs (per group)	
• horizontal mounting position to 40 °C to 60 °C	 max. 4 A max. 3 A
• vertical mounting position to 40 °C	max. 2 A
Electrical isolation • between channels and the backplane bus	 yes
• between channels in groups of	yes 8
Isolation test voltage	500 V DC
Current consumption • from the backplane bus • from load voltage L+ (no-load)	 max. 110 mA max. 160 mA
Power loss of the module	typ. 6.6 W
Status, interrupts, diagnostics	
Status display	green LED per channel
Interrupts	none
Diagnostic functions	none
Actuator selection data	
Output voltage • "1" signal	 min. L + (- 0.8 V)
Output current	
• "1" signal Rated value Permitted range	 0.5 A 5 mA to 0.6 A
• "0" signal (residual current)	max. 0.5 mA
Output delay (resistive load)	
• "0" to "1" transition	max. 100 µs
• "1" to "0" transition	max. 500 µs