



Technical Description

Relay Output System for S7-300 from Siemens

Order.-Nr.: VIPA -HB36-2E
Rev. 99/49

SM322 DO 16xREL

The relay output module registers the binary control signal from the higher bus system and transports it via the relay outputs to the processing level. The electronics of the module are supplied via the backplane bus.

The relays are to be supplied via the front with DC 24V (power supply voltage). Connect the power supply to the clamp 10 (L+) and 20 (M).

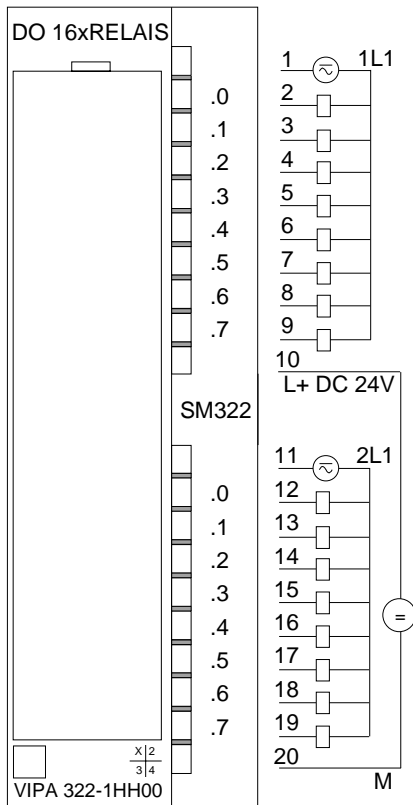
There are 16 channels which work as switches and these display their state through light emitting diodes.

Properties

The relay output module SM322 DO 16x relay distinguishes itself by the following properties:

- 16 relay outputs in groups of up to 8
- Supply via the backplane bus
- External power supply DC 24V
- Load voltage AC 230V / DC 30V
- Maximal contact load per channel 3A
- Suitable for small motors, lamps, magnetic valves and direct current contactors
- Active display of the channels via LED

Connection diagram



Technical Data	322-1HH00 Relay Output Module
Number of inputs:	—
Number of outputs:	16
Potential separation:	yes, to the backplane bus, between the channels in groups of up to 8
Outputs:	
In groups to:	8 (supply and potential separation)
power supply:	
- nominal value:	24V DC
- permissible:	20,4...28,8 V DC
Output current:	
- nominal value:	4 A
- permissible:	max. 5 A
- lamp load:	max. 500 mA
- induction load:	max. 250 mA
- capacitive load:	max. 250 mA
- net current of each group:	8 A
- output load of each channel max.:	AC 230V / 3A DC 30V / 3A
Status display:	green LEDs per channel for Signal "1"
Configuring:	as 322-1HH00
Type:	outputs
Length:	2
Format:	Byte
General:	
Power supply:	5V via backplane bus
Current consumption:	
- Backplane bus:	max. 80 mA
- L+:	max. 150 mA
Power loss:	4 W
Dimensions (WxHxD):	40x125x120 mm
Weight:	200 g

Circuit diagram

