

*** SPARE PART*** SIMATIC SC,ELECTRONIC SUBMODULE 1
DO, RELAY DC/AC 5A ASSIGNED 1 SLOT ON TB16SC OR TB16
IM-SC

General information	
Usable terminal block	TB 16SC
Supply voltage	
Rated value (DC)	24 V
Input current	
from supply voltage L+, max.	15 mA
Power loss	
Power loss, typ.	0.7 W
Hardware configuration	
Slots	
• required slots	1; from 8
Digital outputs	
Number of digital outputs	1
Controlling a digital input	Yes
Output current	
• for signal "1" minimum load current	1 mA; Contact wiring intern: Varistor, rated voltage 275 V
Parallel switching of two outputs	
• for uprating	No
• for redundant control of a load	Yes
Switching frequency	
• with resistive load, max.	1 Hz
• with inductive load, max.	0.1 Hz; with inductive load to IEC 60947-5-1, DC-13 / AC-15
• on lamp load, max.	0.1 Hz
• mechanical, max.	10 Hz
Relay outputs	
• Rated supply voltage of relay coil L+ (DC)	24 V
— Reverse polarity protection	Yes
Switching capacity of contacts	
— with inductive load, max.	2 A; 0.2 to 2 A (with inductive load complying with IEC 60947-5-1, DC-13 / AC-15)
— with resistive load, max.	5 A; 0.2 to 5 A
— Thermal continuous current, max.	5 A
Cable length	

- shielded, max.
- unshielded, max.

1 000 m

600 m

Interrupts/diagnostics/status information

Alarms	No
Diagnostics function	No
Diagnostics indication LED	
• Status indicator digital output (green)	Yes

Potential separation

Potential separation digital outputs	
• between the channels and backplane bus	Yes
• Between the channels and the power supply of the relays	Yes

Permissible potential difference

between M internally or supply voltage of relays and the outputs	240 V AC
between M internally and supply voltage of relays	75 V DC/60 V AC

Isolation

tested with	
• between M internally or supply voltage of relays and the outputs	2500 V DC
• between M internally and supply voltage of relays	1500 V AC

Dimensions

Width	10 mm
Height	64 mm
Depth	51 mm

Weights

Weight, approx.	30 g
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last modified: 08/12/2019