

*** SPARE PART*** SIMATIC SC,ELECTRONIC SUBMODULE 1
DO, AC 115/230 V

Supply voltage

Load voltage L1	
• Rated value (AC)	120/230V AC
• permissible frequency range, lower limit	47 Hz
• permissible frequency range, upper limit	63 Hz

Power loss

Power loss, typ.	0.7 W
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Hardware configuration

Rack	
• required terminal block	TB 16SC
Slots	
• required slots	1; from 8

Digital outputs

Number of digital outputs	1
Short-circuit protection	No
Controlling a digital input	Yes; Only with additional load
Size of motor starter, max.	Size 8
Zero-crossing switch	Yes

Switching capacity of the outputs

• on lamp load, max.	100 W; at AC 230 V: 100 W, at AC 120 V: 50 W
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Output voltage

• for signal "1", min.	L+ (-1 V)
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Output current

• for signal "1" rated value	1 A
• for signal "1" permissible range for 0 to 40 °C, min.	40 mA
• for signal "1" permissible range for 0 to 40 °C, max.	1.1 A
• for signal "1" permissible range for 40 to 60 °C, min.	40 mA
• for signal "1" permissible range for 40 to 60 °C, max.	0.6 A
• for signal "1" permissible surge current, max.	10 A; for 2 half waves
• for signal "0" residual current, max.	3 mA

Output delay with resistive load

• "0" to "1", max.	20 ms
• "1" to "0", max.	20 ms
Parallel switching of two outputs	
• for uprating	No
• for redundant control of a load	Yes
Switching frequency	
• with resistive load, max.	50 Hz
• with inductive load, max.	10 Hz; with inductive load to IEC 60947-5-1, DC-13 / AC-15
• on lamp load, max.	1 Hz
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	No
Diagnostic functions	No
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Potential separation	
Potential separation digital outputs	
• between the channels and backplane bus	Yes
Permissible potential difference	
between M internally and the outputs	240 V AC
Isolation	
Isolation tested with	2500 V DC
Dimensions	
Width	10 mm
Height	64 mm
Depth	51 mm
Weights	
Weight, approx.	15 g
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