

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

General information	
Usable terminal block	TB 16SC
Supply voltage	
Load voltage L1	
<ul style="list-style-type: none"> Rated value (AC) 	120/230 V AC
<ul style="list-style-type: none"> permissible frequency range, lower limit 	47 Hz
<ul style="list-style-type: none"> permissible frequency range, upper limit 	63 Hz
Power loss	
Power loss, typ.	0.7 W
Hardware configuration	
Slots	
<ul style="list-style-type: none"> 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 starters according to NEMA, max.	Size 8
Zero-crossing switch	Yes
Switching capacity of the outputs	
<ul style="list-style-type: none"> on lamp load, max. 	100 W; at AC 230 V: 100 W, at AC 120 V: 50 W
Output voltage	
<ul style="list-style-type: none"> for signal "1", min. 	L+ (-1 V)
Output current	
<ul style="list-style-type: none"> for signal "1" rated value 	1 A
<ul style="list-style-type: none"> for signal "1" permissible range for 0 to 40 °C, min. 	40 mA
<ul style="list-style-type: none"> for signal "1" permissible range for 0 to 40 °C, max. 	1.1 A
<ul style="list-style-type: none"> for signal "1" permissible range for 40 to 60 °C, min. 	40 mA
<ul style="list-style-type: none"> for signal "1" permissible range for 40 to 60 °C, max. 	0.6 A
<ul style="list-style-type: none"> for signal "1" permissible surge current, max. 	10 A; for 2 half waves
<ul style="list-style-type: none"> 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
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
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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