

SIMATIC SC,ELECTRONIC SUBMODULE 2 DO,  
24 V DC / 2 A 2 PIECES PER PACKAGING UNIT

<b>Supply voltage</b>	
Load voltage L+	
Rated value (DC)	24 V
<b>Input current</b>	
from supply voltage L+, max.	6 mA
<b>Power losses</b>	
Power loss, typ.	0.9 W
<b>Hardware configuration</b>	
Rack	
Required terminal block	TB 16SC
<b>Slots</b>	
Required slots	1 ; from 8
<b>Digital outputs</b>	
Number of digital outputs	2
short-circuit protection	Yes ; Electronic
Response threshold, typ.	2.8 to 7.2 A
Limitation of inductive shutdown voltage to	typ. (L+) -48 V
Controlling a digital input	Yes
<b>Switching capacity of the outputs</b>	
Lamp load, max.	10 W
<b>Load resistance range</b>	
lower limit	12 Ω
upper limit	4800 Ω
<b>Output voltage</b>	
for signal "1", min.	L+ (-0.5 V)
<b>Output current</b>	
for signal "1" rated value	2 A
for signal "1" permissible range for 0 to 40 °C, min.	5 mA
for signal "1" permissible range for 0 to 40 °C, max.	2.4 A
for signal "1" permissible range for 40 to 60 °C, min.	5 mA
for signal "1" permissible range for 40 to 60 °C, max.	1.8 A
for signal "0" residual current, max.	0.6 mA

<b>Output delay with resistive load</b>	
"0" to "1", max.	200 µs
"1" to "0", max.	1.3 ms
<b>Parallel switching of 2 outputs</b>	
for increased power	Yes
for redundant control of a load	No
<b>Switching frequency</b>	
with resistive load, max.	100 Hz
with inductive load, max.	0.2 Hz ; with inductive load to IEC 947-5-1, DC-13 / AC-15: 0.2 Hz at 1 A, 0.1 Hz at 2 A
on lamp load, max.	1 Hz
<b>Total current of the outputs (per module)</b>	
horizontal installation	
up to 40 °C, max.	3 A
up to 60 °C, max.	2 A
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Alarms	No
<b>Diagnostic messages</b>	
Diagnostic functions	No
<b>Diagnostics indication LED</b>	
Status indicator digital output (green)	Yes
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital outputs</b>	
between the channels	No
between the channels and the backplane bus	No ; Optocoupler
<b>Permissible potential difference</b>	
between different circuits	75 VDC / 60 VAC
<b>Isolation</b>	
Isolation checked with	1500 V AC
<b>Dimensions</b>	
Width	10 mm
Height	64 mm
Depth	51 mm
<b>Weights</b>	

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**Weight, approx.**

15 g

Status

Oct 21, 2014