

\*\*\* SPARE PART\*\*\* SIMATIC SC,ELECTRONIC SUBMODULE 2  
DO, 24 V DC / 0.5 A 8 PIECES PER PACKAGING UNIT

General information	
Usable terminal block	TB 16SC
Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V
Input current	
from load voltage L+ (without load), max.	3 mA
Power loss	
Power loss, typ.	0.4 W
Hardware configuration	
Slots	
<ul style="list-style-type: none"> <li>required slots</li> </ul>	1; from 8
Digital outputs	
Number of digital outputs	2
Short-circuit protection	Yes; Electronic
<ul style="list-style-type: none"> <li>Response threshold, typ.</li> </ul>	0.7 to 1.8 A
Limitation of inductive shutdown voltage to	typ. (L+) -48 V
Controlling a digital input	Yes
Switching capacity of the outputs	
<ul style="list-style-type: none"> <li>on lamp load, max.</li> </ul>	2.5 W
Load resistance range	
<ul style="list-style-type: none"> <li>lower limit</li> </ul>	48 $\Omega$
<ul style="list-style-type: none"> <li>upper limit</li> </ul>	4 800 $\Omega$
Output voltage	
<ul style="list-style-type: none"> <li>for signal "1", min.</li> </ul>	L+ (-0.5 V)
Output current	
<ul style="list-style-type: none"> <li>for signal "1" rated value</li> </ul>	0.5 A
<ul style="list-style-type: none"> <li>for signal "1" permissible range for 0 to 60 °C, min.</li> </ul>	5 mA
<ul style="list-style-type: none"> <li>for signal "1" permissible range for 0 to 60 °C, max.</li> </ul>	0.6 A
<ul style="list-style-type: none"> <li>for signal "0" residual current, max.</li> </ul>	0.3 mA
Output delay with resistive load	
<ul style="list-style-type: none"> <li>"0" to "1", max.</li> </ul>	200 $\mu$ s

• "1" to "0", max.	1.3 ms
<b>Parallel switching of two outputs</b>	
• for uprating	Yes
• for redundant control of a load	No
<b>Switching frequency</b>	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz; With inductive load to IEC 60947-5-1, DC-13 / AC-15: 2 Hz at 0.3 A, 0.5 Hz at 0.5 A
• on lamp load, max.	1 Hz
<b>Total current of the outputs (per module)</b>	
<b>horizontal installation</b>	
— up to 40 °C, max.	1 A
— up to 60 °C, max.	0.8 A
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
Alarms	No
Diagnostics function	No
<b>Diagnostics indication LED</b>	
• Status indicator digital output (green)	Yes
<b>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• between the channels	No
• between the channels and backplane bus	No; Optocoupler
<b>Permissible potential difference</b>	
between different circuits	75 V DC/60 V AC
<b>Isolation</b>	
Isolation tested with	1500 V AC
<b>Dimensions</b>	
Width	10 mm
Height	64 mm
Depth	51 mm
<b>Weights</b>	
Weight, approx.	15 g
<b>last modified:</b>	08/12/2019