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Data sheet 6ES7122-1BB10-0AA0

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

General information	
Usable terminal block	TB 16SC
Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	6 mA
Power loss	
Power loss, typ.	0.9 W
Hardware configuration	
Slots	
• required slots	1; from 8
Digital outputs	
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
Switching capacity of the outputs	
• on lamp load, max.	10 W
Load resistance range	
• lower limit	12 Ω
• upper limit	4 800 Ω
Output voltage	
• for signal "1", min.	L+ (-0.5 V)
Output current	
• 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

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• for signal "1" permissible range for 40 to 60 °C, max.	1.8 A
• for signal "0" residual current, max.	0.6 mA
Output delay with resistive load	
• "0" to "1", max.	200 µs
• "1" to "0", max.	1.3 ms
Parallel switching of two outputs	
• for uprating	Yes
• for redundant control of a load	No
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	0.2 Hz; with inductive load to IEC 60947-5-1, DC-13 / AC-15: 0.2 Hz at 1 A, 0.1 Hz at 2 A
• on lamp load, max.	1 Hz
Total current of the outputs (per module)	
horizontal installation	
— up to 40 °C, max.	3 A
— up to 60 °C, max.	2 A
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	No
• between the channels and backplane bus	No; Optocoupler

Permissible potential difference	
between different circuits	75 V DC/60 V AC

Isolation	
Isolation tested with	1500 V AC

Dimensions	
Width	10 mm
Height	64 mm
Depth	51 mm

Weights	
Weight, approx.	15 g

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