

Electronics module for ET 200S, 8 DO High Feature 24 V DC/0.5 A, 15 mm width, Diagnostics short circuit, SF LED 1 unit per packing unit



Figure similar

Supply voltage	
Reverse voltage protection	Yes; when using the same load voltage as on the power module
Load voltage L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V; From power module
<ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>	Yes; polarity reversal can lead to the digital outputs being connected through
Input current	
from load voltage L+ (without load), max.	5 mA; Per channel
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	1.5 W
Address area	
Address space per module	
<ul style="list-style-type: none"> <li>Address space per module, max.</li> </ul>	1 byte
Digital outputs	
Type of digital output	Source output (PNP, current-sourcing)

Number of digital outputs	8
Short-circuit protection	Yes
• Response threshold, typ.	0.7 to 1.9 A
Limitation of inductive shutdown voltage to	L+ -(47 to 60 V)
Controlling a digital input	Yes
<b>Switching capacity of the outputs</b>	
• on lamp load, max.	5 W
<b>Load resistance range</b>	
• lower limit	48 Ω
• upper limit	3 400 Ω
<b>Output voltage</b>	
• for signal "1", min.	L+ (-1.0 V)
<b>Output current</b>	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range, min.	7 mA
• for signal "1" permissible range, max.	600 mA
• for signal "0" residual current, max.	0.3 mA
<b>Output delay with resistive load</b>	
• "0" to "1", max.	300 μs
• "1" to "0", max.	600 μs
<b>Parallel switching of two outputs</b>	
• for uprating	No
• for redundant control of a load	Yes; per module
<b>Switching frequency</b>	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 Hz
• on lamp load, max.	10 Hz
<b>Total current of the outputs</b>	
• Current per module, max.	4 A
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	Yes
<b>Diagnostics messages</b>	
• Diagnostic information readable	Yes
• Short-circuit	Yes; Module-wise
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes; Per channel
<b>Parameter</b>	

Remark	1 byte
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### Potential separation

#### Potential separation digital outputs

- |  |     |
|--|-----|
| • between the channels                   | No  |
| • between the channels and backplane bus | Yes |

### Isolation

Isolation tested with	500 V DC
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### Dimensions

Width	15 mm
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Height	81 mm
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Depth	52 mm
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### Weights

Weight, approx.	40 g
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<b>last modified:</b>	06/12/2020
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