

\*\*\*SPARE PART\*\*\* SIMATIC DP, ELECTRON. MODULE F. ET200S, 4/8 F-DI PROFISAFE, 24V DC, 30 MM WIDTH UP TO CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), ALSO USEABLE IN PROFINET- NETWORK WITH IM151-3 HF



Figure similar

Supply voltage	
Rated value (DC)	
<ul style="list-style-type: none"> <li>• 24 V DC</li> </ul>	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	No
Encoder supply	
Number of outputs	2
Type of output voltage	min. L+ (-1.5 V)
Short-circuit protection	Yes; Electronic (response threshold 0.7 A to 1.8 A)
Output current	
<ul style="list-style-type: none"> <li>• Rated value</li> <li>• permissible range</li> </ul>	300 mA 0 to 300 mA
Power loss	
Power loss, typ.	4 W
Address area	

<b>Occupied address area</b>	
• Inputs	6 byte
• Outputs	4 byte
<b>Digital inputs</b>	
Number of digital inputs	8; 8 single channel, 4 two-channel
Input characteristic curve in accordance with IEC 61131, type 1	Yes
<b>Number of simultaneously controllable inputs</b>	
• Number of simultaneously controllable inputs	8
<b>Input voltage</b>	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-30 to +5V
• for signal "1"	+15 to +30V
<b>Input current</b>	
• for signal "1", typ.	3.7 mA
<b>Input delay (for rated value of input voltage)</b>	
for standard inputs	
— parameterizable	Yes
— at "0" to "1", min.	0.3 ms
— at "0" to "1", max.	17 ms
— at "1" to "0", min.	0.3 ms
— at "1" to "0", max.	17 ms
<b>Cable length</b>	
• shielded, max.	200 m
• unshielded, max.	200 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	No
<b>Interrupts/diagnostics/status information</b>	
Diagnostic functions	Yes
<b>Alarms</b>	
• Diagnostic alarm	Yes
<b>Diagnostic messages</b>	
• Diagnostic information readable	Yes
• Short-circuit	Yes
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes
<b>Potential separation</b>	
Potential separation digital inputs	

- between the channels
- between the channels and backplane bus
- Between the channels and load voltage L+

No  
Yes  
No

#### Permissible potential difference

between M internally and the inputs

75 V DC/60 V AC

#### Isolation

Isolation tested with

500 V DC

#### Standards, approvals, certificates

Highest safety class achievable in safety mode

- acc. to EN 954
- Performance level according to ISO 13849-1
- SIL acc. to IEC 61508

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SIL 2 (single-channel), SIL 3 (two-channel)

#### Dimensions

Width

30 mm

Height

81 mm

Depth

52 mm

#### Weights

Weight, approx.

78 g

**last modified:**

03/08/2017 