



SIMATIC DP, ELECTRON. MODULE F. ET200S, 4/8 F-DI PROFISAFE, 24V DC, 30 MM WIDTH UP TO PL E (ISO13849), UP TO SIL3 (IEC 61508), ALSO USEABLE IN PROFINET- NETWORK WITH IM151-3 HF

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
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>• nominal</li> <li>• permissible range</li> </ul>	300 mA 0 to 300 mA
Address area	
Occupied address area	
<ul style="list-style-type: none"> <li>• Inputs</li> <li>• Outputs</li> </ul>	6 byte 4 byte
Digital inputs	
Number of digital inputs	8; 8 (one-channel); 4 (two-channel)
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Number of simultaneously controllable inputs	
<ul style="list-style-type: none"> <li>• Number of simultaneously controllable inputs</li> </ul>	8
Input voltage	
<ul style="list-style-type: none"> <li>• Type of input voltage</li> </ul>	DC

• Rated value (DC)	24 V
<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.	500 m
• Unshielded, max.	500 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	No
— Permissible quiescent current (2-wire sensor), max.	0.6 mA; max.
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
• Diagnostic alarm	Yes
<b>Diagnostic messages</b>	
• Diagnostic functions	Yes
• Diagnostic information readable	Yes
• Short circuit	Yes
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital inputs</b>	
• between the channels	No
• between the channels and the backplane bus	Yes
• between the channels and the load voltage L+	No
<b>Standards, approvals, certificates</b>	
<b>Highest safety class achievable in safety mode</b>	
• SIL according to IEC 61508	SIL 2 (single-channel), SIL 3 (two-channel)
<b>Dimensions</b>	
Width	30 mm
Height	81 mm
Depth	52 mm

## Weights

Weight, approx.

78 g

**last modified:**

12.03.2015