



SIMATIC DP, Electronics module f. ET200S, 4/8 F-DI PROFIsafe, 24 V DC, 30 mm overall width, up to PL E (ISO 13849), Up to SIL3 (IEC 61508), can also be used in PROFINET configuration with IM 151-3 HF

<b>Supply voltage</b>	
Rated value (DC)	24 V
<b>Encoder supply</b>	
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)
<b>Output current</b>	
<ul style="list-style-type: none"> <li>Rated value</li> </ul>	300 mA
<ul style="list-style-type: none"> <li>permissible range, lower limit</li> </ul>	0 mA
<ul style="list-style-type: none"> <li>permissible range, upper limit</li> </ul>	300 mA
<b>Power loss</b>	
Power loss, typ.	4 W
<b>Address area</b>	
Address space per module	
<ul style="list-style-type: none"> <li>Inputs</li> </ul>	6 byte
<ul style="list-style-type: none"> <li>Outputs</li> </ul>	4 byte
<b>Digital inputs</b>	
Number of digital inputs	8; 8 (one-channel); 4 (two-channel)
Input characteristic curve in accordance with IEC 61131, type 1	Yes
<b>Input voltage</b>	
<ul style="list-style-type: none"> <li>Type of input voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V
<b>Input current</b>	
<ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>	3.7 mA
<b>Input delay (for rated value of input voltage)</b>	
for standard inputs	
<ul style="list-style-type: none"> <li>parameterizable</li> </ul>	Yes
<ul style="list-style-type: none"> <li>at "0" to "1", min.</li> </ul>	0.3 ms
<ul style="list-style-type: none"> <li>at "0" to "1", max.</li> </ul>	17 ms
<ul style="list-style-type: none"> <li>at "1" to "0", min.</li> </ul>	0.3 ms
<ul style="list-style-type: none"> <li>at "1" to "0", max.</li> </ul>	17 ms
<b>Cable length</b>	
<ul style="list-style-type: none"> <li>shielded, max.</li> </ul>	500 m
<ul style="list-style-type: none"> <li>unshielded, max.</li> </ul>	500 m
<b>Encoder</b>	
Connectable encoders	

- 2-wire sensor
  - permissible quiescent current (2-wire sensor), max.

No  
0.6 mA; max.

#### Interrupts/diagnostics/status information

Diagnostics function Yes

#### Alarms

- Diagnostic alarm Yes

#### Diagnoses

- Diagnostic information readable Yes
- Short-circuit Yes

#### Diagnostics indication LED

- Group error SF (red) Yes
- Status indicator digital input (green) Yes

#### Potential separation

##### Potential separation digital inputs

- between the channels No
- between the channels and backplane bus Yes
- Between the channels and load voltage L+ No

#### Standards, approvals, certificates

##### Highest safety class achievable in safety mode

- Performance level according to ISO 13849-1 PLe
- SIL acc. to IEC 61508 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:** 1/16/2021 