



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

Supply voltage	
Rated value (DC)	24 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"> Rated value permissible range, lower limit permissible range, upper limit 	300 mA 0 mA 300 mA
Power loss	
Power loss, typ.	4 W
Address area	
Address space per module	
<ul style="list-style-type: none"> Inputs Outputs 	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
Input voltage	
<ul style="list-style-type: none"> Type of input voltage Rated value (DC) 	DC 24 V
Input current	
<ul style="list-style-type: none"> for signal "1", typ. 	3.7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> parameterizable at "0" to "1", min. at "0" to "1", max. at "1" to "0", min. at "1" to "0", max. 	Yes 0.3 ms 17 ms 0.3 ms 17 ms
Cable length	
<ul style="list-style-type: none"> shielded, max. unshielded, max. 	500 m 500 m
Encoder	
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 