



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 	300 mA
<ul style="list-style-type: none"> permissible range, lower limit 	0 mA
<ul style="list-style-type: none"> permissible range, upper limit 	300 mA
Power loss	
Power loss, typ.	4 W
Address area	
Address space per module	
<ul style="list-style-type: none"> Inputs 	6 byte
<ul style="list-style-type: none"> Outputs 	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 	DC
<ul style="list-style-type: none"> Rated value (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 	Yes
<ul style="list-style-type: none"> at "0" to "1", min. 	0.3 ms
<ul style="list-style-type: none"> at "0" to "1", max. 	17 ms
<ul style="list-style-type: none"> at "1" to "0", min. 	0.3 ms
<ul style="list-style-type: none"> at "1" to "0", max. 	17 ms
Cable length	
<ul style="list-style-type: none"> shielded, max. 	500 m
<ul style="list-style-type: none"> unshielded, max. 	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 