

Spare part SIMATIC DP, Electronics module f. ET200S, 4/8 F-DI PROFI-safe, 24 V DC, 30 mm overall width, up to Category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849), can also be used in PROFINET configuration with IM 151-3 HF



Figure similar

Supply voltage	
Rated value (DC)	
<ul style="list-style-type: none"> • 24 V DC 	Yes
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"> • 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	
Occupied address area	

- Inputs 6 byte
- Outputs 4 byte

Digital inputs

Number of digital inputs 8; 8 single channel, 4 two-channel

Input characteristic curve in accordance with IEC 61131, type 1 Yes

Number of simultaneously controllable inputs

- Number of simultaneously controllable inputs 8

Input voltage

- Type of input voltage DC
- Rated value (DC) 24 V
- for signal "0" -30 to +5V
- for signal "1" +15 to +30V

Input current

- for signal "1", typ. 3.7 mA

Input delay (for rated value of input voltage)

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

Cable length

- shielded, max. 200 m
- unshielded, max. 200 m

Encoder

Connectable encoders

- 2-wire sensor No

Interrupts/diagnostics/status information

Diagnostic functions Yes

Alarms

- Diagnostic alarm Yes

Diagnostic messages

- 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
- 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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e
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:

02/27/2018