

SIMATIC DP, ELECTRON. MODULE FOR ET200ECO, 4/8 F-DI  
 PROFISAFE 24V DC, UP TO CATEGORY 4 (EN954-1)/ SIL3  
 (IEC61508)/PLE (ISO13849).



Figure similar

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	No
Input current	
from supply voltage 1L+, max.	100 mA
Encoder supply	
Number of outputs	2
Type of output voltage	min. L+ (-1.5 V)
Short-circuit protection	Yes
Output current	
• Rated value	300 mA
Power loss	
Power loss, typ.	3 W
Digital inputs	
Number of digital inputs	8; 8 single channel, 4 two-channel

Input characteristic curve in accordance with IEC 61131, type 1	Yes
<b>Number of simultaneously controllable inputs</b>	
all mounting positions	
— up to 55 °C, max.	8
<b>Input voltage</b>	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-30 to +5V
• for signal "1"	+15 to +30V
<b>Input current</b>	
• for signal "1", typ.	3.7 mA
<b>Cable length</b>	
• unshielded, max.	30 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	No
<b>Interfaces</b>	
<b>PROFIBUS DP</b>	
• Transmission rate, max.	12 Mbit/s
<b>Protocols</b>	
PROFIBUS DP	Yes
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
• Diagnostic information readable	Yes
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes
• Channel fault indicator F (red)	No
<b>Potential separation</b>	
between PROFIBUS DP and all other circuit components	Yes
<b>Potential separation digital inputs</b>	
• between the channels	No
<b>Permissible potential difference</b>	
between different circuits	75 V DC/60 V AC
<b>Isolation</b>	
Isolation tested with	500V AC for 1 minute
<b>Degree and class of protection</b>	

IP degree of protection	IP65/67
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### Standards, approvals, certificates

Suitable for safety functions	Yes
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### Highest safety class achievable in safety mode

<ul style="list-style-type: none"><li>• acc. to EN 954</li></ul>	4
<ul style="list-style-type: none"><li>• Performance level according to ISO 13849-1</li></ul>	e
<ul style="list-style-type: none"><li>• SIL acc. to IEC 61508</li></ul>	SIL 2 (single-channel), SIL 3 (two-channel)

### Dimensions

Width	60 mm
Height	210 mm
Depth	28 mm

### Weights

Weight, approx.	220 g
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**last modified:** 03/09/2017