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Data sheet 6ES7138-4CF42-0AB0



SIMATIC DP, Power Module PM-E F PROFIsafe, f. ET200S; 24 V DC suitable for grounded setup relay for switching the voltage buses P1 and P2 up to Category 3 (EN 954-1)/ SIL2 (IEC61508)/PLD (ISO13849), can also be used in PROFINET configuration with IM 151-3 HF

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• Reverse polarity protection	No
Input current	
From load voltage L+ (no load), typ.	100 mA
from backplane bus 24 V DC, max.	28 mA
Power loss	
Power loss, typ.	4 W
Address area	
Address space per module	
• Inputs	5 byte
• Outputs	5 byte
Digital outputs	
Number of digital outputs	1; Relays
Short-circuit protection	No
Controlling a digital input	Yes

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Switching capacity of the outputs	
• on lamp load, max.	100 W
Switching frequency	
• with resistive load, max.	2 Hz
• with inductive load, max.	0.1 Hz; with inductive load to IEC 60947-5-1, DC-13 / AC-15
• on lamp load, max.	2 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	10 A
— up to 55 °C, max.	8 A
— up to 60 °C, max.	7 A
vertical installation	
— up to 40 °C, max.	8 A
Relay outputs	
Switching capacity of contacts	
— with resistive load, up to 50 °C, max.	10 A

Interrupts/diagnostics/status information	
Diagnostics function	Yes
Diagnostic messages	
• Diagnostic information readable	Yes
• Wire-break	No
• Short-circuit	Yes
• missing load voltage	Yes
Diagnostics indication LED	
• Rated load voltage PWR (green)	Yes
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes

Potential separation	
Potential separation digital outputs	
• between the channels	No
• between the channels and backplane bus	Yes
• Between the channels and load voltage L+	No

Isolation	
Isolation tested with	500 V DC

Standards, approvals, certificates	
Highest safety class achievable in safety mode	
• acc. to EN 954	4
• Performance level according to ISO 13849-1	e
• SIL acc. to IEC 61508	With Std-DO: Max. SIL 2, without Std-DO max. SIL 3 depending on configuration

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Dimensions	
Width	30 mm
Height	81 mm
Depth	52 mm

Weights	
Weight, approx.	80 g

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