SIEMENS

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

Figure similar

riguresiiina	
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
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
Diagnoses	
 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 	е	
• SIL acc. to IEC 61508	With Std-DO: Max. SIL 2, without Std-DO max. SIL 3 depending on configuration	
Dimensions		
Width	30 mm	
Height	81 mm	
Depth	52 mm	
Weights		
Weight, approx.	80 g	

last modified:

10/3/2023