



Figure similar

*** Spare part *** 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
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
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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

Dimensions

Width	30 mm
Height	81 mm
Depth	52 mm

Weights

Weight, approx.	80 g
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Classifications

		Version	Classification
	eClass	16	27-24-26-11
	eClass	14	27-24-26-11
	eClass	12	27-24-26-11
	eClass	9.1	27-24-26-11
	eClass	9	27-24-26-11
	eClass	8	27-24-26-11
	eClass	7.1	27-24-26-11
	eClass	6	27-24-26-11
	ETIM	10	EC002583
	ETIM	9	EC002583
	ETIM	8	EC002583
	ETIM	7	EC002583
	IDEA	4	3575
	UNSPSC	15	32-15-17-06

Approvals / Certificates

General Product Approval	
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[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval	EMV	For use in hazardous locations	Functional Safety
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[China RoHS](#)



[FM](#)



[TUEV](#)

Functional Safety	Maritime application
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[Type Examination Certificate](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application



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