

Data sheet

6ES7148-4FS00-0AB0



Figure similar

SIMATIC DP, ET200 PRO Fail-safe electronic module F-switch PROFIsafe, 3 fail-safe PP-switching outputs for safe switching of the backplane busbars (2L +, F0, F1), 2 fail-safe digital inputs, 45mm, up to Category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849)

Supply voltage		
Rated value (DC)	24 V	
power supply according to NEC Class 2 required	No	
Input current		
from supply voltage 1L+, max.	50 mA	
from load voltage 2L+ (without load), max.	25 mA; Typical	
from backplane bus 3.3 V DC, max.	40 mA	
Power loss		
Power loss, typ.	3 W	
Digital inputs		
Number of digital inputs	2	
Input current		
• for signal "1", typ.	3.5 mA	
Digital outputs		
Number of digital outputs	3	
Short-circuit protection	Yes	
Total current of the outputs (per group)		
all mounting positions		
— up to 55 °C, max.	6 A	
Standards, approvals, certificates		
Highest safety class achievable in safety mode		
• Performance level according to ISO 13849-1	e	
• SIL acc. to IEC 61508	3	
Dimensions		
Width	45 mm	
Height	130 mm	
Depth	65 mm	
Classifications		
	Version	Classification
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04
eClass	6	27-24-26-04

ETIM	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval



[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval

Functional Safety

Maritime application



[TUEV](#)

[Type Examination Certificate](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

Maritime application

[KR \(Korean Register of Shipping\)](#)

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