



SIMATIC DP, ELECTRON. MODULE 1F-RO
DC24V/AC24...230V/5A, F. ET200S, 30 MM WIDTH, 1 RELAY
OUTPUT (2 NO-CONTACTS) OUTPUT CURRENT 5A, RATED
VOLTAGE 24V DC AND 24 ... 230V AC, USEABLE UP TO
CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), IF
CONTROLLED BY A F-DO (E.G. 6ES7138-4FB02-0AB0)

Figure similar

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V; Supply via fail-safe output, e.g. of an F-DO
Input current	
from load voltage L+ (without load), max.	100 mA; from control voltage
from backplane bus 3.3 V DC, max.	10 mA
Power losses	
Power loss, typ.	2.1 W
Address area	
Address space per module	
• with packing	2 bit
• without packing	1 byte
Digital outputs	
Number of digital outputs	1
short-circuit protection	No
Controlling a digital input	Yes
Output current	
• for signal "1" rated value	5 A
• for signal "1" minimum load current	5 mA
Switching frequency	
• with resistive load, max.	2 Hz
• with inductive load, max.	0.1 Hz
horizontal installation	

— up to 40 °C, max.	8 A
— up to 55 °C, max.	6 A; At 50 °C
— up to 60 °C, max.	5 A; up to max. 24.8 V
vertical installation	
— up to 40 °C, max.	6 A
Relay outputs	
Switching capacity of contacts	
— Thermal continuous current, max.	5 A
Cable length	
• shielded, max.	200 m
• Unshielded, max.	200 m
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Galvanic isolation	
Galvanic isolation digital outputs	
• between the channels	Yes
• between the channels and the backplane bus	Yes
• between the channels and the load voltage L+	Yes; between channels and control voltage
Standards, approvals, certificates	
Highest safety class achievable in safety mode	
• acc. to EN 954	4
• SIL according to IEC 61508	Up to SIL 3
Dimensions	
Width	30 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	90 g
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