

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)

Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> 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 loss	
Power loss, typ.	2.1 W
Address area	
Address space per module	
<ul style="list-style-type: none"> with packing 	2 bit
<ul style="list-style-type: none"> without packing 	1 byte
Digital outputs	
Number of digital outputs	1
Short-circuit protection	No
Controlling a digital input	Yes
Output current	
<ul style="list-style-type: none"> for signal "1" rated value 	5 A
<ul style="list-style-type: none"> for signal "1" minimum load current 	5 mA
Switching frequency	
<ul style="list-style-type: none"> with resistive load, max. 	2 Hz
<ul style="list-style-type: none"> with inductive load, max. 	0.1 Hz
Total current of the outputs	
<ul style="list-style-type: none"> Current per module, max. 	8 A
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	8 A
— up to 50 °C, max.	6 A
— 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
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Potential separation	
Potential separation digital outputs	
• between the channels	Yes
• between the channels and backplane bus	Yes
• Between the channels and load voltage L+	Yes; between channels and control voltage
Standards, approvals, certificates	
Highest safety class achievable in safety mode	
• acc. to EN 954	4
• Performance level according to EN ISO 13849-1:2008	e
• SIL acc. 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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