



Figure similar

SIMATIC DP, Electronics module 1F-RO 24 V DC/AC 24...230V/5A, f. ET200S, 30 mm overall width, 1 relay output (2 NO) Output current 5 A, load voltage 24 V DC and 24...230 V AC, Can be used up to Category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849), if control takes place F-DO (e.g. 6ES7138-4FB02-0AB0) F-DQ

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"> Address space per module, max. with packing 	1 byte 2 bit
Digital outputs	
Type of digital output	Relays
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 for signal "1" minimum load current 	5 A 5 mA
Switching frequency	
<ul style="list-style-type: none"> with resistive load, max. with inductive load, max. 	2 Hz 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	
<ul style="list-style-type: none"> up to 40 °C, max. up to 50 °C, max. up to 60 °C, max. 	8 A 6 A 5 A; up to max. 24.8 V
vertical installation	
<ul style="list-style-type: none"> up to 40 °C, max. 	6 A
Relay outputs	
Switching capacity of contacts	
<ul style="list-style-type: none"> 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 ISO 13849-1 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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