



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)

<b>Supply voltage</b>	
<b>Load voltage L+</b>	
<b>Rated value (DC)</b>	24 V ; Supply via fail-safe output, e.g. of an F-DO
<b>Input current</b>	
<b>from load voltage L+ (without load), max.</b>	100 mA ; from control voltage
<b>from backplane bus 3.3 V DC, max.</b>	10 mA
<b>Power losses</b>	
<b>Power loss, typ.</b>	2.1 W
<b>Address area</b>	
<b>Address space per module</b>	
<b>with packing</b>	2 bit
<b>without packing</b>	1 byte
<b>Digital inputs</b>	
<b>Cable length</b>	
<b>Cable length unshielded, max.</b>	10 m ; control cable
<b>Digital outputs</b>	
<b>Number/binary outputs</b>	1
<b>Functionality/short-circuit strength</b>	No ; 6 A external fuse of duty category gL/gG

<b>Controlling a digital input</b>	Yes
<b>Output current</b>	
for signal "1" rated value	5 A
for signal "1" minimum load current	5 mA
<b>Switching frequency</b>	
with resistive load, max.	2 Hz
with inductive load, max.	0.1 Hz
<b>Aggregate current of outputs (per group)</b>	
<b>horizontal installation</b>	
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
<b>vertical installation</b>	
up to 40 °C, max.	6 A
<b>Relay outputs</b>	
<b>Switching capacity of contacts</b>	
Thermal continuous current, max.	5 A
<b>Cable length</b>	
Cable length, shielded, max.	200 m
Cable length unshielded, max.	200 m
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
Status indicator digital output (green)	Yes
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital outputs</b>	
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
<b>Standards, approvals, certificates</b>	
<b>Highest safety class achievable in safety mode</b>	
acc. to IEC 61508	Up to SIL 3
<b>Dimensions</b>	
Width	30 mm
Height	81 mm
Depth	52 mm
<b>Weight</b>	
Weight, approx.	90 g
Status	Feb 11, 2013