

SIMATIC DP,
 5 ELECTRON. MODULES FOR ET 200S,
 2 DO HIGH FEATURE 24V DC,
 15 MM WIDTH DIAGNOSIS F. SHORT-CIRCUIT AND
 OPEN-CIRCUIT,
 FIRST-UP SIGNAL WITH LED SF (GROUP FAULT),
 5 PIECES PER PACKAGING UNIT

Supply voltage	
Reverse voltage protection	Yes ; when using the same load voltage as on the power module
Load voltage L+	
Rated value (DC)	24 V ; From power module
Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	5 mA ; Per channel
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	0.4 W
Address area	
Address space per module	
with packing	2 bit
without packing	1 byte
Digital outputs	
Number of digital outputs	2
Short-circuit protection	
Response threshold, typ.	1,5 A
Limitation of inductive shutdown voltage to	-55 to -60 V
Controlling a digital input	Yes
Switching capacity of the outputs	
Lamp load, max.	2.5 W
Load resistance range	
lower limit	48 Ω
upper limit	3400 Ω
Output voltage	
for signal "1", min.	L+ (-1 V)
Output current	

for signal "1" rated value	0.5 A
for signal "1" permissible range for 0 to 60 °C, min.	7 mA
for signal "1" permissible range for 0 to 60 °C, max.	600 mA
for signal "0" residual current, max.	0.3 mA
Output delay with resistive load	
"0" to "1", max.	100 µs
"1" to "0", max.	400 µs
Parallel switching of 2 outputs	
for uprating	No
for redundant control of a load	Yes ; per module
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Total current of the outputs (per group)	
all mounting positions	
up to 60 °C, max.	1 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Isochronous mode	
Isochronous mode (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Diagnostic messages	
Diagnostic functions	Yes ; Can be read out
Wire-break	Yes ; channel by channel
Short-circuit	Yes ; channel by channel
Diagnostics indication LED	
Group error SF (red)	Yes
Status indicator digital output (green)	Yes
Parameter	
Remark	3 byte
Diagnostics wire break	Disable / enable
Diagnostics short-circuit	Disable / enable
Behavior on CPU/master STOP, channel-wise	Substitute a value/keep last value, 0/1
Galvanic isolation	
Galvanic isolation digital outputs	

between the channels	No
between the channels and the backplane bus	Yes
Permissible potential difference	
between different circuits	75 VDC / 60 VAC
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	40 g
Status	Jul 28, 2014