



SIMATIC DP,
1 ELECTRON. MODULE FOR ET 200S,
8 DO DC24V/0.5A, 15 MM WIDTH,
1 PIECE PER PACKAGING UNIT

Supply voltage	
Reverse voltage protection	Yes
Load voltage L+	
Rated value (DC)	24 V
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 losses	
Power loss, typ.	1.5 W
Address area	
Address space per module	
without packing	1 byte
Digital inputs	
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Digital outputs	

Number/binary outputs	8
Functionality/short-circuit strength	Yes ; Per channel
Response threshold, typ.	o.k.
Limitation of inductive shutdown voltage to	o.k.
Lamp load, max.	5 W
Controlling a digital input	Yes
Load resistance range	
lower limit	48 Ω
upper limit	3400 Ω
Output voltage	
for signal "1", min.	o.k.
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.	300 μ s
"1" to "0", max.	600 μ s
Parallel switching of 2 outputs	
for increased power	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
all mounting positions	
up to 60 °C, max.	4 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes ; jitter incumbered < 100us
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic functions	No
Diagnostics indication LED	

Status indicator digital output (green)	Yes
Parameter	
Remark	3-byte parameter (not accessible for the user)
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels	No
between the channels and the backplane bus	Yes
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weight	
Weight, approx.	40 g
Status	Mar 18, 2013