



SIMATIC DP,  
5 ELECTRON. MODULES ET200S: 2DO RELAY(FORM C  
CONT.) DC24V-48V/5A,  
AC24V-230V/5A, 15 MM WIDTH,  
FIRST-UP SIGNAL,  
5 PIECES PER PACKAGING UNIT

## Supply voltage

### Load voltage L+

<b>Rated value (DC)</b>	24 V ; From power module
<b>Reverse polarity protection</b>	Yes

## Input current

<b>from load voltage L+ (without load), max.</b>	30 mA
<b>from backplane bus 3.3 V DC, max.</b>	10 mA

## Power losses

<b>Power loss, typ.</b>	0.6 W
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## Address area

### Address space per module

<b>with packing</b>	2 bit
<b>without packing</b>	1 byte

## Digital outputs

<b>Number/binary outputs</b>	2
<b>Functionality/short-circuit strength</b>	No
<b>Limitation of inductive shutdown voltage to</b>	No
<b>Controlling a digital input</b>	Yes

<b>Output current</b>	
for signal "1" rated value	5 A
for signal "1" minimum load current	8 mA
<b>Switching frequency</b>	
with resistive load, max.	2 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	2 Hz
<b>Relay outputs</b>	
<b>Switching capacity of contacts</b>	
Thermal continuous current, max.	5 A
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Isochronous mode</b>	
Isochronous operation (application synchronized up to terminal)	No
<b>Interrupts/diagnostics/status information</b>	
Substitute values connectable	Yes ; 0/1
<b>Diagnostic messages</b>	
Diagnostic functions	No
<b>Diagnostics indication LED</b>	
Status indicator digital output (green)	Yes
<b>Parameter</b>	
Behavior on CPU/Master STOP, channel-wise	Substitute a value/keep last value
<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
<b>Isolation</b>	
<b>tested with</b>	
Channels against backplane bus and load voltage L+	1500 V AC
Load voltage L+ against backplane bus	500 V DC
<b>Ambient conditions</b>	
<b>Extended ambient conditions</b>	
Relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
<b>Relative humidity</b>	

<b>with condensation / maximum</b>	100 % ; Relative humidity, incl. condensation / frost permitted (no commissioning under condensation conditions)
<b>Dimensions</b>	
<b>Width</b>	15 mm
<b>Height</b>	81 mm
<b>Depth</b>	52 mm
<b>Weight</b>	
<b>Weight, approx.</b>	50 g
Status	Nov 12, 2012