



SIMATIC DP,  
1 ELECTR. MODULE FOR ET 200S,  
8 DI DC 24V 15 MM WIDTH,  
1 PIECE PER PACKAGING UNIT

Supply voltage	
24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
from backplane bus 3.3 V DC, max.	10 mA
from supply voltage L+, max.	Dependent on encoder
Encoder supply	
Number of outputs	0 ; no encoder supply
Power losses	
Power loss, typ.	1.2 W
Address area	
Address space per module	
without packing	1 byte
Digital inputs	
Number of digital inputs	8
Input characteristic curve in accordance with IEC 61131, type 1	Yes ; 2-wire sensors connectable

<b>Number of simultaneously controllable inputs</b>	8
<b>Input voltage</b>	
<b>Type of input voltage</b>	DC
<b>Rated value, DC</b>	24 V
<b>for signal "0"</b>	-30 to +5 V
<b>for signal "1"</b>	15 to 30 V
<b>Input current</b>	
<b>for signal "1", typ.</b>	5 mA
<b>Input delay (for rated value of input voltage)</b>	
<b>for standard inputs</b>	
<b>Parameterizable</b>	No
<b>at "0" to "1", min.</b>	2 ms
<b>at "0" to "1", max.</b>	4.5 ms
<b>at "1" to "0", min.</b>	2 ms
<b>at "1" to "0", max.</b>	4.5 ms
<b>Cable length</b>	
<b>Cable length, shielded, max.</b>	1000 m
<b>Cable length unshielded, max.</b>	600 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
<b>2-wire sensor</b>	Yes
<b>Permissible quiescent current (2-wire sensor), max.</b>	1.5 mA
<b>Isochronous mode</b>	
<b>Isochronous operation (application synchronized up to terminal)</b>	Yes ; TWE = 3000 us
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
<b>Diagnostic functions</b>	No
<b>Diagnostics indication LED</b>	
<b>Status indicator digital input (green)</b>	Yes
<b>Parameter</b>	
<b>Remark</b>	3-byte parameter (not accessible for the user)
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital inputs</b>	
<b>between the channels</b>	No
<b>between the channels and the backplane bus</b>	Yes
<b>Permissible potential difference</b>	
<b>between different circuits</b>	75 VDC / 60 VAC

Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	35 g
Status	May 14, 2014