



*** Spare part *** SIMATIC DP, Electronics module for ET 200S, 1 SSI 25 bit/1 MHz 15 mm width, Module for connection of absolute value encoders with SSI Synchronous Serial Interface with DI and comparison value with clock synchronization

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• permissible range, lower limit (DC)	20.4 V
• permissible range, upper limit (DC)	28.8 V
• Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	40 mA
from backplane bus 3.3 V DC, max.	10 mA
Encoder supply	
24 V encoder supply	
• 24 V	Yes
• Short-circuit protection	Yes
• Output current, max.	500 mA
Absolute encoder (SSI) encoder supply	
• Absolute encoder (SSI)	Yes
• Type of output voltage	L+ (-0.8 V)
• Short-circuit protection	Yes
• Output current, max.	500 mA
Power loss	
Power loss, typ.	1 W
Hardware configuration	
Module exchange	
• Module exchange during operation of the IM-DP	Yes
• Module exchange under process voltage	Yes
Digital inputs	
Number of digital inputs	1
Input voltage	
• for signal "0"	-30 to +5 V
• for signal "1"	+11 to +30V
Input current	
• for signal "0", max. (permissible quiescent current)	2 mA
• for signal "1", typ.	9 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	300 µs
— at "1" to "0", max.	300 µs
Cable length	
• shielded, max.	50 m

Encoder			
Number of connectable encoders, max.	1		
Connectable encoders			
- Absolute encoder (SSI) 2-wire sensor	Yes Yes; Type 2		
Encoder signals, absolute encoder (SSI)			
- Input signal - Telegram length, parameterizable - Binary code - Gray code - Cable length, shielded, max. - Monoflop time	to RS-422 13, 14, 16, 21, 24 & 25 bit Yes Yes 320 m; At 125 kHz 16/32/48/64 µs		
Interrupts/diagnostics/status information			
Diagnostics indication LED			
- Group error SF (red) - Status indicator digital input (green) - Status indicator forward counting (green) - Status indicator backward counting (green)	Yes Yes Yes Yes		
Potential separation			
Potential separation digital inputs			
Potential separation digital inputs	No; same potential with L+ and SSI		
Potential separation counter			
- between the channels and backplane bus - Between the channels and load voltage L+	Yes No		
Dimensions			
Width	15 mm		
Height	81 mm		
Depth	52 mm		
Weights			
Weight, approx.	40 g		
Classifications			
		Version	Classification
	eClass	16	27-24-26-05
	eClass	14	27-24-26-05
	eClass	12	27-24-26-05
	eClass	9.1	27-24-26-05
	eClass	9	27-24-26-05
	eClass	8	27-24-26-05
	eClass	7.1	27-24-26-05
	eClass	6	27-24-26-05
	ETIM	10	EC001601
	ETIM	9	EC001601
	ETIM	8	EC001601
	ETIM	7	EC001601
	IDEA	4	3567
	UNSPSC	15	32-15-17-05
Approvals / Certificates			
General Product Approval			EMV
 CSA  UL US   EG-Konf.  			
Test Certificates	Maritime application	other	Environment

[Type Test Certificates/Test Report](#)



[Confirmation](#)



[Environmental Confirmations](#)

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