



\*\*\* Spare part \*\*\* SIMATIC DP, 5 electronic modules for ET 200S, 4DI standard 24 V DC, 15 mm width, 5 units per packing unit

Supply voltage	
Rated value (DC)	24 V; From power module
Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	Dependent on encoder
from backplane bus 3.3 V DC, max.	10 mA
Encoder supply	
Type of output voltage	min. L+ (-0.5 V), under load
Output current	
• Rated value	500 mA
• permissible range, lower limit	0 mA
• permissible range, upper limit	500 mA
Power loss	
Power loss, typ.	0.7 W
Address area	
Address space per module	
• Address space per module, max.	1 byte
• with packing	4 bit
Digital inputs	
Number of digital inputs	4
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-30 to +5 V
• for signal "1"	+15 to +30 V
Input current	
• for signal "1", typ.	7 mA; at 24 V
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	No
— at "0" to "1", min.	2 ms; typically 3 ms
— at "0" to "1", max.	4.5 ms
— at "1" to "0", min.	2 ms; typically 3 ms
— at "1" to "0", max.	4.5 ms
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Encoder	
Connectable encoders	

- 2-wire sensor Yes
- permissible quiescent current (2-wire sensor), max. 1.5 mA

#### Interrupts/diagnostics/status information

Diagnostics function No

#### Diagnostics indication LED

- Group error SF (red) No
- Status indicator digital input (green) Yes; per channel

#### Parameter

Remark 1 byte

#### Potential separation

##### Potential separation digital inputs

- between the channels No
- between the channels and backplane bus Yes

#### Isolation

Isolation tested with 500 V DC

#### Dimensions

Width 15 mm

Height 81 mm

Depth 52 mm

#### Weights

Weight, approx. 35 g

#### Classifications

	Version	Classification
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04
eClass	6	27-24-26-04
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599
IDEA	4	3566
UNSPSC	15	32-15-17-05

#### Approvals / Certificates

General Product Approval

EMV

[Manufacturer Declaration](#)



#### For use in hazardous locations



[FM](#)



[Miscellaneous](#)



#### For use in hazardous locations

#### Marine / Shipping



[CCC-Ex](#)



[NK / Nippon Kaiji Ky-  
okai](#)



[CCS \(China Classifica-  
tion Society\)](#)

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