



*** Spare part *** SIMATIC DP, 5 electronic modules ET 200S: 4 DI 24 V...48 V UI, 15 mm width, with SF LED (group fault) 5 units per packing unit

General information	
Product function	
<ul style="list-style-type: none"> • Isochronous mode 	Yes
Supply voltage	
Reverse polarity protection	Yes; AC or DC automatic
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
Short-circuit protection	Yes; per module
Output current	
<ul style="list-style-type: none"> • Rated value • permissible range, lower limit • permissible range, upper limit 	500 mA 0 mA 500 mA
Power loss	
Power loss, typ.	0.7 W
Address area	
Address space per module	
<ul style="list-style-type: none"> • Address space per module, max. • with packing 	1 byte 4 bit
Digital inputs	
Number of digital inputs	4
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
<ul style="list-style-type: none"> • Type of input voltage • Rated value (UC) • for signal "0" • for signal "1" 	AC/DC 24 V; 24 ... 48 V UC (47 ... 63 Hz) -6 to +6 V DC/ 0 to 5 V AC -15 V DC to -57.6 V DC; 15 V DC to 57.6 V DC; 15 V AC to 48 V AC
Input current	
<ul style="list-style-type: none"> • for signal "1", typ. 	10 mA; 4 to 10 mA
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> — at "0" to "1", max. — at "1" to "0", max. 	15 ms 15 ms
Encoder connection	
<ul style="list-style-type: none"> • Fixed current limitation for wire-break monitoring, min. 	18 kΩ; Rated voltage 24 V (15 V to 35 V); rated voltage 48 V (30 V to 60 V): 39 kohms
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. 2 mA; (0.5 to 2 mA), a minimum load current is necessary for wire break diagnostics.

Interrupts/diagnostics/status information

Diagnostics function Yes; Parameterizable

Diagnoses

- Wire break Yes

Diagnostics indication LED

- Group error SF (red) Yes
- Status indicator digital input (green) Yes; per channel

Potential separation

Potential separation digital inputs

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

Isolation

Isolation tested with 2 500 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	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Miscellaneous](#)



General Product Approval

EMV

For use in hazardous locations



[China RoHS](#)



For use in hazardous locations

[FM](#)



[Miscellaneous](#)



For use in hazardous locations

Maritime application

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application



[CCS \(China Classification Society\)](#)

last modified:

8/22/2025