



\*\*\* Spare part \*\*\* SIMATIC DP, 5 electronic modules for ET 200S, 2 DO High Feature 24 V DC/0.5 A, 15 mm width, Diagnostics short circuit and wire break, Substitute value output with LED SF (group fault) 5 units per packing unit

General information	
Product function	
<ul style="list-style-type: none"> <li>• Isochronous mode</li> </ul>	Yes
Supply voltage	
Reverse voltage protection	Yes; when using the same load voltage as on the power module
Load voltage L+	
<ul style="list-style-type: none"> <li>• Rated value (DC)</li> <li>• Reverse polarity protection</li> </ul>	24 V; From power module Yes; polarity reversal can lead to the digital outputs being connected through
Input current	
from load voltage L+ (without load), max.	5 mA; Per channel
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	0.4 W
Address area	
Address space per module	
<ul style="list-style-type: none"> <li>• Address space per module, max.</li> <li>• with packing</li> </ul>	1 byte 2 bit
Digital outputs	
Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	2
Short-circuit protection	Yes
<ul style="list-style-type: none"> <li>• Response threshold, typ.</li> </ul>	1.5 A
Limitation of inductive shutdown voltage to	-55 to -60 V, typ. L+( )
Controlling a digital input	Yes
Switching capacity of the outputs	
<ul style="list-style-type: none"> <li>• on lamp load, max.</li> </ul>	2.5 W
Load resistance range	
<ul style="list-style-type: none"> <li>• lower limit</li> <li>• upper limit</li> </ul>	48 Ω 3 400 Ω
Output voltage	
<ul style="list-style-type: none"> <li>• for signal "1", min.</li> </ul>	L+ (-1 V)
Output current	
<ul style="list-style-type: none"> <li>• for signal "1" rated value</li> <li>• for signal "1" permissible range, min.</li> <li>• for signal "1" permissible range, max.</li> <li>• for signal "0" residual current, max.</li> </ul>	0.5 A 7 mA 600 mA 0.3 mA
Output delay with resistive load	
<ul style="list-style-type: none"> <li>• "0" to "1", max.</li> <li>• "1" to "0", max.</li> </ul>	100 μs 400 μs

<b>Parallel switching of two outputs</b>		
• for uprating	No	
• for redundant control of a load	Yes; per module	
<b>Switching frequency</b>		
• with resistive load, max.	100 Hz	
• with inductive load, max.	2 Hz	
• on lamp load, max.	10 Hz	
<b>Total current of the outputs</b>		
• Current per module, max.	1 A	
<b>Cable length</b>		
• shielded, max.	1 000 m	
• unshielded, max.	600 m	
<b>Interrupts/diagnostics/status information</b>		
Diagnostics function	Yes	
Substitute values connectable	Yes; 0/1	
<b>Diagnoses</b>		
• Diagnostic information readable	Yes	
• Wire break	Yes; channel by channel	
• Short-circuit	Yes; channel by channel	
<b>Diagnostics indication LED</b>		
• Group error SF (red)	Yes	
• Status indicator digital output (green)	Yes	
<b>Parameter</b>		
Remark	3 byte	
Diagnostics wire break	Disable / enable	
Diagnostics short-circuit	Disable / enable	
Response to CPU/master STOP	Substitute a value/keep last value	
<b>Potential separation</b>		
Potential separation digital outputs		
• between the channels	No	
• between the channels and backplane bus	Yes	
<b>Isolation</b>		
Isolation tested with	500 V DC	
<b>Dimensions</b>		
Width	15 mm	
Height	81 mm	
Depth	52 mm	
<b>Weights</b>		
Weight, approx.	40 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
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
<b>Approvals / Certificates</b>		
<b>General Product Approval</b>		

[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval

EMV

For use in hazardous locations



[China RoHS](#)



For use in hazardous locations

[EM](#)



[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