



\*\*\* Spare part \*\*\* SIMATIC DP, 5 electronic modules for ET 200S, 4 DO High Feature 24 V DC/0.5 A, 15 mm width, Diagnostics short circuit, SF LED 5 units per packing unit

Figure similar

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.	0.8 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 4 bit
Digital outputs	
Type of digital output	Transistor
Number of digital outputs	4
Short-circuit protection	Yes
<ul style="list-style-type: none"> <li>• Response threshold, typ.</li> </ul>	0.7 to 1.5 A
Limitation of inductive shutdown voltage to	-55 to -60 V, L+( )
Controlling a digital input	Yes
Switching capacity of the outputs	
<ul style="list-style-type: none"> <li>• on lamp load, max.</li> </ul>	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> </ul>	100 μs

• "1" to "0", max.	300 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.	2 A
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	Yes
<b>Diagnoses</b>	
• Short-circuit	Yes; module-wise
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes; Per channel
<b>Parameter</b>	
Remark	3 byte
<b>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• 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>	

	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

<b>Approvals / Certificates</b>	
General Product Approval	EMV



Functional Safety	Test Certificates	Maritime application	other
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



[Confirmation](#)

other	Railway	Environment
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[Miscellaneous](#)

[Confirmation](#)



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