



*** Spare part *** SIMATIC DP, 5 electronic modules for ET 200S, 2 DO High Feature 24 V DC/2 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"> • Isochronous mode 	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"> • Rated value (DC) • Reverse polarity protection 	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.	1.4 W
Address area	
Address space per module	
<ul style="list-style-type: none"> • Address space per module, max. • with packing 	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"> • Response threshold, typ. 	4 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"> • on lamp load, max. 	5 W
Load resistance range	
<ul style="list-style-type: none"> • lower limit • upper limit 	12 Ω 3 400 Ω
Output voltage	
<ul style="list-style-type: none"> • for signal "1", min. 	L+ (-1 V)
Output current	
<ul style="list-style-type: none"> • for signal "1" rated value • for signal "1" permissible range, min. • for signal "1" permissible range, max. • for signal "0" residual current, max. 	2 A 7 mA 2.4 A 0.5 mA
Output delay with resistive load	
<ul style="list-style-type: none"> • "0" to "1", max. • "1" to "0", max. 	100 μs 400 μs

Parallel switching of two outputs		
• for uprating	No	
• for redundant control of a load	Yes; per module	
Switching frequency		
• with resistive load, max.	100 Hz	
• with inductive load, max.	2 Hz; 0,5 H	
• on lamp load, max.	10 Hz	
Total current of the outputs		
• Current per module, max.	4 A	
Cable length		
• shielded, max.	1 000 m	
• unshielded, max.	600 m	
Interrupts/diagnostics/status information		
Diagnostics function	Yes	
Substitute values connectable	Yes; 0/1	
Diagnoses		
• Diagnostic information readable	Yes	
• Wire break	Yes; channel by channel	
• Short-circuit	Yes; channel by channel	
Diagnostics indication LED		
• Group error SF (red)	Yes	
• Status indicator digital output (green)	Yes	
Parameter		
Remark	3 byte	
Diagnostics wire break	Disable / enable	
Diagnostics short-circuit	Disable / enable	
Response to CPU/master STOP	Substitute a value/keep last value	
Potential separation		
Potential separation digital outputs		
• 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.	40 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		

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

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