



*** 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	
• Isochronous mode	Yes
Supply voltage	
Reverse voltage protection	Yes; when using the same load voltage as on the power module
Load voltage L+	
• Rated value (DC)	24 V; From power module
• Reverse polarity protection	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	
• Address space per module, max.	1 byte
• with packing	2 bit
Digital outputs	
Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	2
Short-circuit protection	Yes
• Response threshold, typ.	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	
• on lamp load, max.	2.5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	3 400 Ω
Output voltage	
• for signal "1", min.	L+ (-1 V)
Output current	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range, min.	7 mA
• for signal "1" permissible range, max.	600 mA
• for signal "0" residual current, max.	0.3 mA
Output delay with resistive load	
• "0" to "1", max.	100 μs
• "1" to "0", max.	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	
• on lamp load, max.		10 Hz	
Total current of the outputs			
• Current per module, max.		1 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	
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	16	27-24-26-04
	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

[FM](#)



[Miscellaneous](#)



For use in hazardous locations

Maritime application

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application



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

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