



*** 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

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) 	24 V; From power module
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Address space per module, max. 	1 byte
<ul style="list-style-type: none"> with packing 	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. 	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"> on lamp load, max. 	2.5 W
Load resistance range	
<ul style="list-style-type: none"> lower limit 	48 Ω
<ul style="list-style-type: none"> upper limit 	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 	0.5 A
<ul style="list-style-type: none"> for signal "1" permissible range, min. 	7 mA
<ul style="list-style-type: none"> for signal "1" permissible range, max. 	600 mA
<ul style="list-style-type: none"> for signal "0" residual current, max. 	0.3 mA
Output delay with resistive load	
<ul style="list-style-type: none"> "0" to "1", max. 	100 μs
<ul style="list-style-type: none"> "1" to "0", max. 	400 μs
Parallel switching of two outputs	
<ul style="list-style-type: none"> for uprating 	No
<ul style="list-style-type: none"> 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		
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](#)



[China RoHS](#)



General Product Approval EMV For use in hazardous locations



[EM](#)



For use in hazardous locations Maritime application

[Miscellaneous](#)



[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



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

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