

Siemens
EcoTech



SIMATIC DP, Electronic modules for ET 200 PRO 4 DO 24 V DC, 2.0A High Feature, Channel diagnostics; short-circuit and wire break; incl. bus module, Connection module IO 6ES7194-4..00-0AA0 order separately

Supply voltage

Load voltage 2L+

• Rated value (DC)	24 V
• Short-circuit protection	Yes; per channel, electronic
• Reverse polarity protection	Yes; against destruction; load increasing

Input current

from load voltage 2L+ (without load), max.	40 mA
from backplane bus 3.3 V DC, max.	30 mA

Power loss

Power loss, typ.	2.5 W
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Address area

Address space per module

• Address space per module, max.	1 byte
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Digital outputs

Number of digital outputs	4
Current-sourcing	Yes
output type acc. to IEC 61131, type 2	Yes
Short-circuit protection	Yes
• Response threshold, typ.	2.8 A
Limitation of inductive shutdown voltage to	2L+ (-47 V)
Controlling a digital input	Yes

Switching capacity of the outputs

• on lamp load, max.	10 W
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Load resistance range

• lower limit	12 Ω
• upper limit	4 k Ω

Output voltage

• for signal "1", min.	2L+ (-0,8 V)
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Output current

• for signal "1" rated value	2 A
• for signal "0" residual current, max.	0.5 mA

Parallel switching of two outputs

• for uprating	No
• for redundant control of a load	Yes

Switching frequency

• with resistive load, max.	100 Hz
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• with inductive load, max. • on lamp load, max.	0.5 Hz 1 Hz		
Total current of the outputs (per group)			
all mounting positions			
— up to 55 °C, max.	4 A		
Cable length			
• shielded, max.	30 m		
• unshielded, max.	30 m		
Interrupts/diagnostics/status information			
Diagnostics function	Yes		
Substitute values connectable	Yes		
Alarms			
• Diagnostic alarm	Yes		
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		
• Channel fault indicator F (red)	Yes		
Potential separation			
between backplane bus and all other circuit components	Yes		
Potential separation digital outputs			
• between the channels	No		
• between the channels and backplane bus	Yes		
Isolation			
Isolation tested with	707 V DC (type test)		
Standards, approvals, certificates			
Suitable for safety-related tripping of standard modules	Yes		
Highest safety class achievable for safety-related tripping of standard modules			
• Performance level according to ISO 13849-1	PL d		
• Category according to ISO 13849-1	Cat. 3		
• SIL acc. to IEC 62061	SIL 2		
• remark on safety-oriented shutdown	https://support.industry.siemens.com/cs/de/en/view/39198632		
Dimensions			
Width	45 mm		
Height	130 mm		
Depth	35 mm; without terminal module		
Weights			
Weight, approx.	140 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



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

[Type Test Certificates/Test Report](#)



[Confirmation](#)

other	Environment
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[Environmental Confirmations](#)

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