



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
Address area	
Address space per module	
• Address space per module, max.	1 byte
Digital outputs	
Number of digital outputs	4
output characteristic 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
Load resistance range	
• lower limit	12 Ω
• upper limit	4 kΩ
Output voltage	
• for signal "1", min.	2L+ (-0,8 V)
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
• with inductive load, max.	0.5 Hz
• on lamp load, max.	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	9	EC001599
	ETIM	8	EC001599
	ETIM	7	EC001599
	IDEA	4	3566
	UNSPSC	15	32-15-17-05
Approvals / Certificates			
General Product Approval			

[Manufacturer Declaration](#)



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



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