



Figure similar

SIMATIC DP, Electronic module for ET 200 PRO 16 DI 24 V DC, Module diagnostics; incl. bus module, Connection module IO 6ES7194-4CB50-0AA0 order separately

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes; Against destruction; encoder power supply outputs applied with reversed polarity
Input current	
from supply voltage 1L+, max.	30 mA
from backplane bus 3.3 V DC, max.	20 mA
Encoder supply	
Number of outputs	8
Short-circuit protection	Yes; per module, electronic
Output current	
<ul style="list-style-type: none"> <li>up to 55 °C, max.</li> </ul>	1 A
Power loss	
Power loss, typ.	3 W
Address area	
Address space per module	<ul style="list-style-type: none"> <li>Address space per module, max.</li> </ul>
	2 byte
Digital inputs	
Number of digital inputs	16
Sourcing/sinking input	P-reading
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Number of simultaneously controllable inputs	
all mounting positions	<ul style="list-style-type: none"> <li>up to 55 °C, max.</li> </ul>
	16
Input voltage	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> <li>for signal "0"</li> <li>for signal "1"</li> </ul>	24 V -3 to +5V +11 to +30V
Input current	
<ul style="list-style-type: none"> <li>for signal "1", typ.</li> </ul>	4 mA
Input delay (for rated value of input voltage)	
for standard inputs	<ul style="list-style-type: none"> <li>parameterizable</li> <li>at "0" to "1", min.</li> <li>at "0" to "1", max.</li> <li>at "1" to "0", min.</li> <li>at "1" to "0", max.</li> </ul>
	No 1.2 ms 4.8 ms 0.7 ms 3 ms
Cable length	

• unshielded, max.	30 m
<b>Encoder</b>	
Connectable encoders	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	Yes
<b>Alarms</b>	
• Diagnostic alarm	Yes
<b>Diagnoses</b>	
• Diagnostic information readable	Yes
• Short-circuit	Yes; Sensor supply to M; module by module
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes; Per channel
<b>Potential separation</b>	
between backplane bus and all other circuit components	Yes
<b>Potential separation digital inputs</b>	
• between the channels	No
• between the channels and backplane bus	Yes
<b>Isolation</b>	
Isolation tested with	707 V DC (type test)
<b>Dimensions</b>	
Width	45 mm
Height	130 mm
Depth	35 mm
<b>Weights</b>	
Weight, approx.	140 g

	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 Maritime application



[China RoHS](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



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

Maritime application

[KR \(Korean Register of Shipping\)](#)

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