

## Data sheet

## 6ES7141-4BF00-0AB0



SIMATIC DP, Electronic modules for ET 200 PRO 8 DI 24 V DC High Feature, Channel diagnostics; short-circuit and wire break; incl. bus module, Connection module IO 6ES7194-4..00-0AA0 order separately

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes; against destruction; load increasing
Input current	
from supply voltage 1L+, max.	40 mA
from backplane bus 3.3 V DC, max.	20 mA
Encoder supply	
Number of outputs	8
Short-circuit protection	Yes; per channel, electronic
Output current	
• up to 55 °C, max.	1 A
Power loss	
Power loss, typ.	2.5 W
Address area	
Address space per module	
• Address space per module, max.	1 byte
Digital inputs	
Number of digital inputs	8
Sourcing/sinking input	P-reading
Input characteristic curve in accordance with IEC 61131, type 1	No
Input characteristic curve in accordance with IEC 61131, type 2	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 55 °C, max.	8
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	+11 to +30V
Input current	
• for signal "1", typ.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	Yes
— at "0" to "1", min.	0.5 ms; 0.5 ms/ 3ms/ 15 ms/ 20 ms
— at "0" to "1", max.	20 ms
— at "1" to "0", min.	0.5 ms; 0.5 ms/ 3ms/ 15 ms/ 20 ms
— at "1" to "0", max.	20 ms
Cable length	
• unshielded, max.	30 m

Encoder	
Connectable encoders	
<ul style="list-style-type: none"> <li>• 2-wire sensor</li> </ul>	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
Interrupts/diagnostics/status information	
Diagnostics function	Yes; channel by channel, parameterizable
Alarms	
<ul style="list-style-type: none"> <li>• Diagnostic alarm</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Hardware interrupt</li> </ul>	Yes
Diagnoses	
<ul style="list-style-type: none"> <li>• Diagnostic information readable</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Wire break</li> </ul>	Yes; Monitoring, I < 0.3 mA; per channel
<ul style="list-style-type: none"> <li>• Short-circuit</li> </ul>	Yes; channel by channel
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>• Group error SF (red)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Status indicator digital input (green)</li> </ul>	Yes; Per channel
Potential separation	
between backplane bus and all other circuit components	Yes
Potential separation digital inputs	
<ul style="list-style-type: none"> <li>• between the channels</li> </ul>	No
<ul style="list-style-type: none"> <li>• between the channels and backplane bus</li> </ul>	Yes
Isolation	
Isolation tested with	707 V DC (type test)
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	Environment



[Environmental Confirmations](#)

[Environmental Confirmations](#)

last modified:

10/23/2025

# TURLL

YOUR GLOBAL AUTOMATION PARTNER

## 6ES7141-4BF00-0AB0

OFFICIAL DATASHEET & QUOTATION

- 100% New & Original Factory Sealed
- Global Express Shipping (DHL/FedEx/UPS)
- 12-Month Warranty Protection
- Professional Technical Support

[CHECK STOCK & PRICE](#)



Need Assistance? Scan to Chat on WhatsApp

[sales@turl.com](mailto:sales@turl.com) | +852 6339 7344