



SIMATIC DP, electronic module for ET 200pro 4 IO-Link High Feature, Channel diagnostics, including bus module, Connection module IO 6ES7194-4CA20-0AA0 order separately

General information	
HW functional status	FS03
Firmware version	V1.2.x
<ul style="list-style-type: none"> <li>FW update possible</li> </ul>	Yes
Product function	
<ul style="list-style-type: none"> <li>Isochronous mode</li> </ul>	No
Operating mode	
<ul style="list-style-type: none"> <li>IO-Link</li> <li>DI</li> <li>DQ</li> </ul>	Yes Yes Yes; max. 100 mA
Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
Load voltage 2L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> <li>Short-circuit protection</li> <li>Reverse polarity protection</li> </ul>	24 V Yes Yes; against destruction; load increasing
Input current	
from supply voltage 1L+, max.	40 mA
from load voltage 2L+ (without load), max.	20 mA
from backplane bus 3.3 V DC, max.	20 mA
Encoder supply	
Number of outputs	4
Short-circuit protection	Yes; per module, electronic
Output current	
<ul style="list-style-type: none"> <li>up to 55 °C, max.</li> </ul>	2 A
Power loss	
Power loss, typ.	2.6 W
IO-Link	
Number of ports	4
<ul style="list-style-type: none"> <li>of which simultaneously controllable</li> </ul>	4
IO-Link protocol 1.0	Yes
IO-Link protocol 1.1	Yes
Transmission rate	4.8 kBaud (COM1); 38.4 kBaud (COM2), 230.4 kBaud (COM3)
Size of process data, input per port	32 byte
Size of process data, input per module	32 byte
Size of process data, output per port	32 byte
Size of process data, output per module	32 byte
Memory size for device parameter	2 kbyte; for each port

Master backup	possible with LIOLink_Master function block	
Configuration without S7-PCT	Possible; autostart/manual function	
Cable length unshielded, max.	20 m	
<b>Operating modes</b>		
• IO-Link	Yes	
• DI	Yes	
• DQ	Yes; max. 100 mA	
<b>Connection of IO-Link devices</b>		
• Port type A	Yes; via 3-core cable	
• Port type B	Yes; Additional device supply: for X1 and X2 max. 2 A in total, for X3 and X4 max. 2 A in total	
<b>Interrupts/diagnostics/status information</b>		
Diagnostics function	Yes	
<b>Alarms</b>		
• Diagnostic alarm	Yes	
<b>Diagnoses</b>		
• Diagnostic information readable	Yes	
• Wire break	Yes; channel by channel	
• Short-circuit	Yes; channel by channel	
<b>Diagnostics indication LED</b>		
• Channel status display	Yes; One green LED for channel status Qn (SIO mode) and port status IO-Ln (IO-Link mode)	
• Group error SF (red)	Yes	
• Channel fault indicator F (red)	Yes; combined with the IO-Link port status	
<b>Potential separation</b>		
between the load voltages	Yes	
between backplane bus and all other circuit components	Yes	
<b>Potential separation channels</b>		
• between the channels	No	
<b>Isolation</b>		
Isolation tested with	707 V DC (type test)	
<b>Standards, approvals, certificates</b>		
Suitable for safety-related tripping of standard modules	No	
<b>Dimensions</b>		
Width	45 mm	
Height	130 mm	
Depth	35 mm	
<b>Weights</b>		
Weight, approx.	150 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08
eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05
<b>Approvals / Certificates</b>		
<b>General Product Approval</b>		

[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval

Maritime application



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

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