



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	FS04
Firmware version	V1.2.5
FW update possible	Yes
Product function	
Isochronous mode	No
Operating mode	
IO-Link	Yes
DI	Yes
DQ	Yes; max. 100 mA
Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
Load voltage 2L+	
Rated value (DC)	24 V
Short-circuit protection	Yes
Reverse polarity protection	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	
up to 55 °C, max.	2 A
Power loss	
Power loss, typ.	2.6 W
IO-Link	
Number of ports	4
of which simultaneously controllable	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		
Operating modes			
• IO-Link	Yes		
• DI	Yes		
• DQ	Yes; max. 100 mA		
Connection of IO-Link devices			
• 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		
Interrupts/diagnostics/status information			
Diagnostics function	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			
• 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		
Potential separation			
between the load voltages	Yes		
between backplane bus and all other circuit components	Yes		
Potential separation channels			
• between the channels	No		
Isolation			
Isolation tested with	707 V DC (type test)		
Standards, approvals, certificates			
Suitable for safety-related tripping of standard modules	No		
Security			
signed firmware update	Yes		
safely removing data	Yes		
data integrity	Yes		
Ambient conditions			
Ambient temperature during operation			
• min.	0 °C		
• max.	55 °C		
Connection method			
Design of electrical connection for the inputs and outputs	M12, 5-pin, A-coded		
Dimensions			
Width	45 mm		
Height	130 mm		
Depth	35 mm		
Weights			
Weight, approx.	150 g		
Classifications			
		Version	Classification
	eClass	16	27-24-26-08
	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

Approvals / Certificates

General Product Approval

[Miscellaneous](#)
[Manufacturer Declaration](#)






EG-Konf.

 UL

 RCM

General Product Approval

Maritime application



[China RoHS](#)


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

EG-Konf.

Maritime application

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

last modified:

5/21/2026 