



SIMATIC DP, PROFINET Interface module IM 154-4 PN, High Feature for ET 200 PRO, Integrated switch, incl. termination module, connection module in PN 6ES7194-4A.00-0AA0 order separately

General information	
Product type designation	IM 154-4 PN HF
Vendor identification (VendorID)	0x002A
Device identifier (DeviceID)	0x0305
Product function	
• IRT	Yes
Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes; against destruction
Short-circuit protection	Yes; Fuse in lower part is exchangeable, the fuse on the IM-LP is not
power supply according to NEC Class 2 required	No
Load voltage 2L+	
• Rated value (DC)	24 V
• Reverse polarity protection	Yes; against destruction
Input current	
from supply voltage 1L+, max.	400 mA; Dependent on terminal module, typ. maximum value for FO connection method, full load on RWB and 20.4 V input voltage
Power loss	
Power loss, typ.	6 W; dependent on terminal module, typ. maximum value for CU connection method, full load on RWB, for FO the value is approx. 0.7 W higher
Address area	
Addressing volume	
• Inputs	256 byte
• Outputs	256 byte
Interfaces	
Interfaces/bus type	PROFINET IO
Interface types	
M12 port	
• Autonegotiation	Yes
• Transmission rate, max.	100 Mbit/s
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIsafe	Yes
PROFIBUS	No
EtherNet/IP	No
Protocols (Ethernet)	
• SNMP	Yes
• ping	Yes
• ARP	Yes

Redundancy mode			
Media redundancy			
— MRP	Yes		
Interrupts/diagnostics/status information			
Alarms			
• Diagnostic alarm	Yes; Parameterizable		
• Hardware interrupt	Yes; Parameterizable		
Diagnostics indication LED			
• MAINT LED	Yes		
• LINK LED	Yes		
• RX/TX LED	Yes		
• For load voltage monitoring	Yes		
• Bus fault BF (red)	Yes		
• Group error SF (red)	Yes		
• Monitoring 24 V voltage supply ON (green)	Yes		
Parameter			
Swapping interrupt	Parameterizable		
Startup if setpoint not equal to actual configuration	Parameterizable		
Hot swapping of modules	possible		
Potential separation			
between backplane bus and electronics	No		
between supply voltage and electronics	Yes		
Isolation			
Isolation tested with	707 V DC (type test)		
Ambient conditions			
Ambient temperature during operation			
• min.	-25 °C		
• max.	55 °C		
Ambient temperature during storage/transportation			
• min.	-40 °C		
• max.	70 °C		
Dimensions			
Width	135 mm		
Height	130 mm		
Depth	60 mm		
Weights			
Weight, approx.	490 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			EMV



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Maritime application	other	Environment
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last modified:

10/23/2025