



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	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](#)



General Product Approval

Maritime application



[China RoHS](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



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

Maritime application

Industrial Communication

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

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