

## Data sheet

## 6ES7154-4AB10-0AB0



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	
<b>Interrupts/diagnostics/status information</b>		
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	
<b>Parameter</b>		
Swapping interrupt	Parameterizable	
Startup if setpoint not equal to actual configuration	Parameterizable	
Hot swapping of modules	possible	
<b>Potential separation</b>		
between backplane bus and electronics	No	
between supply voltage and electronics	Yes	
<b>Isolation</b>		
Isolation tested with	707 V DC (type test)	
<b>Ambient conditions</b>		
Ambient temperature during operation		
• min.	-25 °C	
• max.	55 °C	
Ambient temperature during storage/transportation		
• min.	-40 °C	
• max.	70 °C	
<b>Dimensions</b>		
Width	135 mm	
Height	130 mm	
Depth	60 mm	
<b>Weights</b>		
Weight, approx.	490 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>		
General Product Approval		



[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval

Maritime application



Maritime application

Industrial Communication

[NK / Nippon Kaiji Kyokai](#)



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

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

[PROFINET](#)

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