

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

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

Load voltage 2L+

<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> 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
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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
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Address area

Addressing volume	
• Inputs	256 byte
• Outputs	256 byte

Interfaces

Interfaces/bus type	PROFINET IO
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Interface types

M12 port	
• Autonegotiation	Yes
• Transmission rate, max.	100 Mbit/s

Protocols

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
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
• Load voltage monitoring 24 V DC (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)
Degree and class of protection	
IP degree of protection	IP65/67
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
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