

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"> <li>Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>	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
<b>last modified:</b>	05/13/2020