

SIMATIC DP, PROFINET INTERFACE MODULE IM154-4 PN, HIGH FEATURE FOR ET 200PRO, INTEGRATED SWITCH, INCLUSIVE TERMINATING MODULE, CONNECTING MODULE IM PN 6ES7194-4A.00-0AA0 MUST BE ORDERED SEPARATELY



### General information

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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Memory	
Micro Memory Card	No; Internal memory medium
Address area	
Addressing volume	
• Inputs	256 byte
• Outputs	256 byte
Interfaces	
PROFINET IO	
• automatic detection of transmission rate	Yes
• Transmission rate, max.	100 Mbit/s
• Services	ARP, PING, SNMP
Interrupts/diagnostics/status information	
Alarms	
• Diagnostic alarm	Yes; Parameterizable
• Hardware interrupt	Yes; Parameterizable
Diagnostics indication LED	
• Bus fault BF (red)	Yes; Additional LEDs (MAINT, P1/2 LINK, P1/2 RX/TX) available
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
• Load voltage monitoring 24 V DC (green)	Yes
Parameter	
Swapping interrupt	1
identifier-related diagnostic data	1
Module status	1
Channel-related diagnostics	1
Startup if setpoint not equal to actual configuration	1
Hot swapping of modules	1
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	
Degree of protection acc. to EN 60529	
• IP65	Yes
• IP66	Yes
• IP67	Yes
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	59.3 mm

Weights

Weight, approx.	490 g
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**last modified:** 22.07.2015