

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"> 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
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

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
Protocols	
Protocols (Ethernet)	
• SNMP	Yes
• ping	Yes
• ARP	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	
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	60 mm

Weights

Weight, approx. 490 g

last modified: 09/12/2017