SIEMENS

Data sheet   6ES7154-4AB10-0AB0

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+	
• 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

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
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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