

SIEMENS

Product 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
24 V DC	Yes
permissible range, lower limit (DC)	20.4 V ; Unit [V]
permissible range, upper limit (DC)	28.8 V ; Unit [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

Input current

from backplane bus 3.3 V DC, max.	Not applicable
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 losses	
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	
Outputs	256 byte
Inputs	256 byte
Interfaces	
Supports protocol for PROFINET IO	
Automatic detection of transmission speed	Yes
Transmission rate, max.	100 Mbit/s
Services	ARP, PING, SNMP
Protocols	
Supports protocol for PROFINET IO	Yes
Interrupts/diagnostics/status information	
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 DC 24 V (green)	Yes
Parameter	
Diagnostic alarm	1
Hardware interrupt	1
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
Galvanic isolation	

between backplane bus and electronics	No
Isolation	
Isolation checked with	500 V DC
Degree and class of protection	
IP65	Yes
IP66	Yes
IP67	Yes
Ambient conditions	
Operating temperature	
Min.	-25 °C
max.	55 °C
Storage/transport temperature	
Min.	-40 °C
max.	70 °C
Dimensions	
Width	135 mm
Height	130 mm
Depth	59.3 mm
Weight	
Weight, approx.	490 g
Status	Jul 17, 2012