MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected official pages for procurement and maintenance review

PRODUCT BRAND

Siemens

PRODUCT MODEL

6ES7154-4AB10-0AB0

ET 200pro PROFINET Interface. Relevant section pages: 1, 2, 3. Adjacent model text on shared pages is outside this product reference.

OFFICIAL SOURCE

Siemens 6ES7154-4AB10-0AB0 Data sheet; 2017-03-16

Source: Siemens 2017-03-16. Original manufacturer pages follow this cover.

AMIKON PRODUCT SUPPORT

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Amikon Limited prepared this independent reference package. Selected manufacturer pages follow with their original content and pagination visible.

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

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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
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	

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• 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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