

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

SIEMENS SIMATIC S7

6ES7152-1BA00-0AB0

INDUSTRIAL AUTOMATION MODULE

Applicable product family: Siemens industrial automation systems

OFFICIAL SOURCE

6ES7152-1BA00-0AB0.pdf

The following pages are selected from the supplied manufacturer document and retain their original page content.



SIMATIC interface module IM 152-1PN for ET200iSP, PROFINET connection standard, and redundant operation, incl. 2x SFP transceiver Ex, multimode fiber-optic cable LC, 50/125µm and 62.5/125µm, Ex ib IIC T4 Gb, Ex ib I Mb

General information	
Vendor identification (VendorID)	02AH
Product function	
• Isochronous mode	No
Supply voltage	
Rated value (DC)	11.5 V supply voltage; 3.55 V bus
Input current	
from load voltage (power bus), max.	150 mA
Power loss	
Power loss, typ.	1.6 W
Interfaces	
Interfaces/bus type	PROFINET IO
Transmission rate, max.	100 Mbit/s
Supports protocol for PROFINET IO	
Cable length	
— Multimode graded-index fiber 50/125 µm	3 000 m
— Multimode graded-index fiber 62.5/125 µm	3 000 m
1. Interface	
Interface type	multimode fiber-optic cable
Interface types	
• RJ 45 (Ethernet)	No
• Number of ports	2
• integrated switch	Yes
• BusAdapter (PROFINET)	No
• Design of the connection	Optical
Protocols	
• PROFINET IO Device	Yes
• Media redundancy	Yes
PROFINET IO Device	
Services	
— Shared device	No
Protocols	
PROFIBUS DP	No
Redundancy mode	
• PROFINET system redundancy (S2)	Yes
• PROFINET system redundancy (R1)	Yes
Media redundancy	
— MRP	Yes
Open IE communication	
• LLDP	Yes

Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Alarms	
• acyclic function, interrupts	Yes
• acyclic function, parameters	Yes
Diagnostics indication LED	
• RUN LED	Yes; green LED
• ERROR LED	Yes; red LED
• MAINT LED	Yes; Yellow LED
• LINK LED	Yes; green LED
• Monitoring of the supply voltage (PWR-LED)	Yes; green LED
• Bus fault BF (red)	No
• Group error SF (red)	No
• Monitoring 24 V voltage supply ON (green)	No
Potential separation	
between supply voltage and electronics	No
Standards, approvals, certificates	
CE mark	Yes
UKCA mark	Yes
cULus	LISTED E334384
INMETRO certificate	UL-BR 22.4315
Use in hazardous areas	
• ATEX marking	II 2 G Ex ib IIC T4 Gb and I M2 Ex ib I Mb
• ATEX certificate	DEKRA 22ATEX0036
• IECEX	IECEX DEK 22.0020
• CCC Ex	2023322310005199
• EAC Ex	No
Ambient conditions	
Ambient temperature during operation	
• horizontal installation, min.	-20 °C
• horizontal installation, max.	70 °C
• vertical installation, min.	-20 °C
• vertical installation, max.	50 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
• Ambient air temperature-barometric pressure-altitude	Up to max. 2 000 m
Relative humidity	
• Operation, max.	95 %
Dimensions	
Width	30 mm
Height	190 mm
Depth	130 mm
Weights	
Weight, approx.	440 g

last modified: 10/26/2023 