

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

SIEMENS SIMATIC S7

6ES7152-1AA00-0AB0

INDUSTRIAL AUTOMATION MODULE

Applicable product family: Siemens industrial automation systems

OFFICIAL SOURCE

6ES7152-1AA00-0AB0.pdf

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

SIMATIC DP, INTERFACE MODULE IM152-1 FOR ET200ISP, FOR STANDARD AND REDUNDANT OPERATION



General information	
Vendor identification (VendorID)	8110H
Input current	
from supply voltage L+, max.	30 mA
Power loss	
Power loss, typ.	0.5 W
Time stamping	
Description	for each digital input, digital input module, total ET 200iS
Accuracy	20 ms
Number of stampable digital inputs, max.	64; for accuracy class 20 ms
Time format	RFC 1119 Internet (ISP)
Time resolution	1 ms
Time interval for transmitting the message buffer if a message is present	1 000 ms
Time stamp on signal change	rising / falling edge as signal entering or exiting
Interfaces	
Interface physics, RS 485	Yes; intrinsically safe
PROFIBUS DP	

• Transmission rate, max. • SYNC capability • FREEZE capability • Direct data exchange (slave-to-slave communication)	1.5 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s Yes Yes Yes; Slave to slave as publisher
Protocols	
PROFIBUS DP	Yes
Protocols (Ethernet)	
• TCP/IP	No
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostic functions	Yes
Alarms	
• acyclic function, interrupts • acyclic function, parameters	Yes Yes
Diagnostics indication LED	
• Bus fault BF (red) • Group error SF (red) • Monitoring 24 V voltage supply ON (green)	Yes Yes Yes
Potential separation	
between supply voltage and electronics	Yes
Standards, approvals, certificates	
CE mark	Yes
Use in hazardous areas	
• Type of protection acc. to EN 50020 (CENELEC) • Type of protection acc. to KEMA	II2 G Ex ib IIC T4 and I M2 Ex ib I 04 ATEX 1243
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weights	
Weight, approx.	245 g
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