



SIMATIC DP,
INTERFACE MODULE IM151-2 FOR ET200iS,
INCL. POWER BUS TERMINATING MODULE

General information

Vendor identification (VendorID)	806Eh
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FH technology

Redundancy

Redundancy capability	Available soon
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Power losses

Power loss, typ.	0.5 W
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Time stamping

Description	for each digital input, digital input module, total ET 200iS
Accuracy	10 ms
Number of message buffers	15
Messages per message buffer	20
Number of stampable digital inputs, max.	128
Time format	RFC 1119 Internet (ISP)
Time resolution	1 ms
Time interval for transmitting the message buffer if a message is present	1 s
Time grid	10 ms
Time stamp on signal change	rising / falling edge as signal entering or exiting

Interfaces	
Interface physics, RS 485	Yes ; With barrier
PROFIBUS DP	
Node addresses	1 to 125 permitted
Transmission rate, max.	1.5 Mbit/s ; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 Mbit/s
equidistance	No
SYNC capability	Yes
FREEZE capability	Yes
Direct data exchange (slave-to-slave communication)	Yes ; Slave to slave as publisher
PROFIBUS DP	RS 485 (with barrier)
Protocols	
PROFIBUS DP	Yes
Communication functions	
Bus protocol/transmission protocol	PROFIBUS DP
Interrupts/diagnostics/status information	
Alarms	
Alarms	Yes
Acyclic function, interrupts	Yes
Acyclic function, parameters	Yes
Diagnostic messages	
Diagnostic functions	Yes
Diagnostics	Yes
Diagnostics indication LED	
Bus fault BF (red)	Yes
Group error SF (red)	Yes
Monitoring 24 V voltage supply ON (green)	Yes
Galvanic isolation	
between backplane bus and electronics	No
between electronic block and PROFIBUS DP	Yes
Isolation	
Isolation checked with	500 V DC
Standards, approvals, certificates	
Use in hazardous areas	
Type of protection acc. to EN 50020 (CENELEC)	II2G EEx ib IIC T4, Tu = -20 °C to +60 °C
Type of protection acc. to FM	FM 3611: Class I, Division 2, Group A, B, C, D; Class I, Zone 2 or FM 3610: Class I, Zone 1, Tu = -20 °C to +60 °C
Dimensions	
Width	30 mm

Height	81 mm
Depth	76 mm
Weights	
Weight, approx.	80 g
Status	Dec 1, 2014