



SIMATIC ET 200MP. PROFIBUS INTERFACE MODULE IM155-5
DP ST FOR MAX. 12 S7-1500 MODULES

Product type designation

General information

HW functional status	01
Firmware version	V2.0.0
Vendor identification (VendorID)	81AAh

Product function

<ul style="list-style-type: none"> I&M data 	Yes; I&M0 to I&M3
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Engineering with

<ul style="list-style-type: none"> STEP 7 TIA Portal can be configured/integrated as of version 	V13 / V13
<ul style="list-style-type: none"> STEP 7 can be configured/integrated as of version 	V5.5 SP3 / -
<ul style="list-style-type: none"> PROFIBUS as of GSD version/GSD revision 	V1.0 / V5.1

Supply voltage

Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes

Mains buffering

<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	5 ms
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Input current

Current consumption (rated value)	0.2 A; at 24 V DC and without load
Current consumption, max.	1.2 A; at 20.4 V DC and max. load

Inrush current, max.	4 A
I^2t	0.09 A ² ·s
from interface 5 V DC, max.	80 mA

Power

Infeed power to the backplane bus	14 W
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Power losses

Power loss, typ.	4 W; Typical
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Address area

Address space per module

• Address space per module, max.	64 byte; per input / output
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Address space per station

• Address space per station, max.	244 byte; per input / output
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Hardware configuration

System power supply can be plugged in to left of IM	No
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Number of permissible power segments	1
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Rack

• Modules per rack, max.	12; I/O modules
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Interfaces

Number of PROFIBUS interfaces	1
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Protocols

— PROFIBUS DP slave	Yes
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RS 485

• Transmission rate, max.	12 Mbit/s
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PROFIBUS

Services

— SYNC capability	Yes
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— FREEZE capability	Yes
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— DPV1	Yes
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Interrupts/diagnostics/status information

Status indicator	Yes
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Alarms

• Alarms	Yes
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Diagnostic messages

• Diagnostic functions	Yes
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Diagnostics indication LED

• RUN LED	Yes; Green LED
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• ERROR LED	Yes; Red LED
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• MAINT LED	Yes; yellow LED
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Galvanic isolation

between backplane bus and electronics	No
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between PROFIBUS DP and all other circuit components	Yes
between supply and all other circuits	No
Permissible potential difference	
between different circuits	75V DC/60V AC
Isolation	
Isolation checked with	707 V DC (type test)
Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	360 g
last modified:	12.03.2015