

SIMATIC ET 200SP, PROFIBUS INTERFACE MODULE, IM155-6DP  
 HIGH FEATURE, MAX. 32 PERIPHERY MODULES, MULTI HOT  
 SWAP, INCL. SERVER MODULE, INCL. PROFIBUS CONNECTOR



General information	
Product type designation	IM155-6DP HF with PROFIBUS connector and server module
Firmware version	V3.1
Product function	
<ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated as of version</li> </ul>	V13 SP1
<ul style="list-style-type: none"> <li>STEP 7 configurable/integrated as of version</li> </ul>	V5.5 SP4 and higher
<ul style="list-style-type: none"> <li>PROFIBUS as of GSD version/GSD revision</li> </ul>	One GSD file each, Revision 3 and 5 and higher
Configuration control	
via dataset	Yes
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes

<b>Mains buffering</b>	
• Mains/voltage failure stored energy time	5 ms
<b>Input current</b>	
Current consumption, max.	250 mA
Inrush current, max.	4.5 A
<b>Power loss</b>	
Power loss, typ.	1.5 W
<b>Address area</b>	
Address space per module	
• Address space per module, max.	244 byte; per input / output
Address space per station	
• Address space per station, max.	244 byte; per input / output
<b>Hardware configuration</b>	
Rack	
• Modules per rack, max.	32; + 16 ET 200AL modules
<b>Interfaces</b>	
Number of PROFIBUS interfaces	1
<b>1. Interface</b>	
Interface types	
• RS 485	Yes
• Output current of the interface, max.	90 mA
Functionality	
• PROFIBUS DP slave	Yes
<b>Interface types</b>	
RS 485	
• Transmission rate, max.	12 Mbit/s
<b>Protocols</b>	
PROFIBUS	
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
— DPV0	Yes
— DPV1	Yes
<b>Isochronous mode</b>	
Isochronous operation (application synchronized up to terminal)	No
<b>Interrupts/diagnostics/status information</b>	
Status indicator	Yes

Alarms	Yes
Diagnostic functions	Yes
<b>Diagnostics indication LED</b>	
• RUN LED	Yes; Green LED
• ERROR LED	Yes; Red LED
• MAINT LED	Yes; yellow LED
• Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
• Connection display DP	Yes; Green DP LED
<b>Potential separation</b>	
between backplane bus and electronics	No
between PROFIBUS DP and all other circuit components	Yes
between supply and all other circuits	Yes
<b>Permissible potential difference</b>	
between different circuits	75 V DC/60 V AC (base isolation)
<b>Isolation</b>	
Isolation tested with	707 V DC (type test)
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• horizontal installation, min.	0 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	0 °C
• vertical installation, max.	50 °C
<b>Connection method</b>	
<b>ET-Connection</b>	
• via BU/BA Send	Yes; + 16 ET 200AL modules
<b>Dimensions</b>	
Width	50 mm
Height	117 mm
Depth	74 mm
<b>Weights</b>	
Weight, approx.	150 g
<b>last modified:</b>	30.04.2016