



SIMATIC ET 200SP, PROFIBUS bundle IM, IM 155-6DP HF, max. 32 I/O modules and 16 ET 200AL modules, Multi-hotswap, bundle consists of: Interface module (6ES7155-6BU01-0CN0), Server module (6ES7193-6PA00-0AA0), PROFIBUS connector (6ES7972-0BB70-0XA0)

General information	
Product type designation	IM 155-6 DP HF with PROFIBUS connector and server module
HW functional status	From FS02
Firmware version	V4.2
Product function	
<ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
<ul style="list-style-type: none"> <li>Module swapping during operation (hot swapping)</li> </ul>	Yes; Multi-hot swapping
<ul style="list-style-type: none"> <li>Isochronous mode</li> </ul>	No
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	V15 SP1
<ul style="list-style-type: none"> <li>STEP 7 configurable/integrated from version</li> </ul>	As of V5.5 SP4, only up to FW V3.1
<ul style="list-style-type: none"> <li>PROFIBUS from GSD version/GSD revision</li> </ul>	One GSD file each, Revision 3 and 5 and higher
Configuration control	
via dataset	Yes
Supply voltage	
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	10 ms
<b>Input current</b>	
Current consumption, max.	335 mA
Inrush current, max.	1.6 A
$I^2t$	0.038 A <sup>2</sup> ·s
<b>Power loss</b>	
Power loss, typ.	1.5 W
<b>Address area</b>	
Address space per module	
• Address space per module, max.	32 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
Protocols	
• PROFIBUS DP slave	Yes
<b>Interface types</b>	
RS 485	
• Transmission rate, max.	12 Mbit/s
<b>Protocols</b>	
PROFIBUS DP	
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
— DPV0	Yes
— DPV1	Yes
<b>Interrupts/diagnostics/status information</b>	
Status indicator	Yes

Alarms	Yes
Diagnostics function	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	No

<b>Permissible potential difference</b>	
between different circuits	Safety extra low voltage SELV

<b>Isolation</b>	
Isolation tested with	707 V DC (type test)

<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• horizontal installation, min.	-25 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	-25 °C
• vertical installation, max.	50 °C
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual

<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>	06/09/2020