



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"> I&M data 	Yes; I&M0 to I&M3
<ul style="list-style-type: none"> Module swapping during operation (hot swapping) 	Yes; Multi-hot swapping
<ul style="list-style-type: none"> Isochronous mode 	No
Engineering with	
<ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated as of version 	V15 SP1
<ul style="list-style-type: none"> STEP 7 configurable/integrated as of version 	As of V5.5 SP4, only up to FW V3.1
<ul style="list-style-type: none"> PROFIBUS as of GSD version/GSD revision 	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

Mains buffering

- Mains/voltage failure stored energy time 10 ms

Input current

Current consumption, max.	335 mA
Inrush current, max.	1.6 A
I^2t	0.038 A ² ·s

Power loss

Power loss, typ.	1.5 W
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Address area

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

Hardware configuration

Rack

- Modules per rack, max. 32; + 16 ET 200AL modules

Interfaces

Number of PROFIBUS interfaces	1
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1. Interface

Interface types

- RS 485 Yes
- Output current of the interface, max. 90 mA

Protocols

- PROFIBUS DP slave Yes

Interface types

RS 485

- Transmission rate, max. 12 Mbit/s

Protocols

PROFIBUS DP

Services

- SYNC capability Yes
- FREEZE capability Yes
- DPV0 Yes
- DPV1 Yes

Interrupts/diagnostics/status information

Status indicator	Yes
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Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
• 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

Potential separation	
between backplane bus and electronics	No
between PROFIBUS DP and all other circuit components	Yes
between supply and all other circuits	No

Permissible potential difference	
between different circuits	Safety extra low voltage SELV

Isolation	
Isolation tested with	707 V DC (type test)

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

Connection method	
ET-Connection	
• via BU/BA Send	Yes; + 16 ET 200AL modules

Dimensions	
Width	50 mm
Height	117 mm
Depth	74 mm

Weights	
Weight, approx.	150 g
last modified:	05/28/2020