

SIMATIC ET 200SP, PROFIBUS bundle IM, IM 155-6DP HF, max. 32 I/O modules and 16 ET 200AL modules, multi hot swap, bundle consists of: Interface module (6ES7155-6BU00-0CN0), server module (6ES7193-6PA00-0AA0), PROFIBUS connector (6ES7972-0BB70-0XA0)



| General information | |
|---|--|
| Product type designation | IM 155-6 DP HF |
| Firmware version | V3.1 |
| 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 |
| Engineering with | |
| <ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated as of version | V13 SP1 |
| <ul style="list-style-type: none"> STEP 7 configurable/integrated as of version | V5.5 SP4 and higher |
| <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 | 5 ms |
| Input current | |
| Current consumption, max. | 250 mA |
| Inrush current, max. | 4.5 A |
| Power loss | |
| Power loss, typ. | 1.5 W |
| 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 |
| 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 |
| Isochronous mode | |
| Isochronous operation (application synchronized up to terminal) | No |
| Interrupts/diagnostics/status information | |

| | |
|--|--------------------|
| Status indicator | Yes |
| 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

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

Permissible potential difference

| | |
|----------------------------|----------------------------------|
| between different circuits | 75 V DC/60 V AC (base isolation) |
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Isolation

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| Isolation tested with | 707 V DC (type test) |
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Ambient conditions

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| Ambient temperature during operation | |
| • horizontal installation, min. | 0 °C |
| • horizontal installation, max. | 60 °C |
| • vertical installation, min. | 0 °C |
| • vertical installation, max. | 50 °C |

Connection method

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

Dimensions

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|--------|--------|
| Width | 50 mm |
| Height | 117 mm |
| Depth | 74 mm |

Weights

| | |
|-----------------|-------|
| Weight, approx. | 150 g |
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last modified: 04/17/2019