



SIMATIC ET 200SP, BaseUnit BU20-P12+A0+4B, BU-Type B1, Packaging unit: 10 pieces, Push-in terminals, without AUX-terminals, bridged to left BU, WxH: 20mm x 117mm

| General information                             |                                                                  |
|-------------------------------------------------|------------------------------------------------------------------|
| Product type designation                        | BU type B1                                                       |
| HW functional status                            | FS10 and higher                                                  |
| Supply voltage                                  |                                                                  |
| Rated value (DC)                                | See manual                                                       |
| • For P1 and P2 bus                             | 24 V                                                             |
| • For AUX bus                                   | 24 V; Equal potential group to P1/P2 bus or PE                   |
| • for process terminals                         | 24 V                                                             |
| Rated value (AC)                                | See manual                                                       |
| • For P1 and P2 bus                             | 230 V                                                            |
| • For AUX bus                                   | 230 V; Equal potential group to P1/P2 bus or PE                  |
| • for process terminals                         | 230 V                                                            |
| external protection for power supply lines      | Yes                                                              |
| Mains filter                                    |                                                                  |
| • integrated                                    | No                                                               |
| Current carrying capacity                       |                                                                  |
| up to 60 °C, max.                               | 10 A                                                             |
| For P1 and P2 bus, max.                         | 10 A                                                             |
| For AUX bus, max.                               | 10 A                                                             |
| For process terminals, max.                     | 5 A                                                              |
| Hardware configuration                          |                                                                  |
| Automatic encoding                              | Yes                                                              |
| Slots                                           |                                                                  |
| • Number of slots                               | 1                                                                |
| Potential separation                            |                                                                  |
| between backplane bus and supply voltage        | Yes                                                              |
| between process terminals and supply voltage    | Yes; Not applicable for process terminals 9 to 12                |
| between power bus and supply voltage            | Yes                                                              |
| Isolation                                       |                                                                  |
| Isolation tested with                           | 3 100 V DC                                                       |
| Ambient conditions                              |                                                                  |
| Ambient temperature during operation            |                                                                  |
| • horizontal installation, min.                 | -30 °C                                                           |
| • horizontal installation, max.                 | 60 °C                                                            |
| • vertical installation, min.                   | -30 °C                                                           |
| • vertical installation, max.                   | 50 °C                                                            |
| Altitude during operation relating to sea level |                                                                  |
| • Installation altitude above sea level, max.   | 2 000 m; On request: Installation altitudes greater than 2 000 m |
| Accessories                                     |                                                                  |
| Color coding labels                             |                                                                  |

- for AUX terminals

CC84 to CC86

#### connection method

| Terminals                                              |                  |
|--------------------------------------------------------|------------------|
| • Terminal type                                        | Push-in terminal |
| • system-integrated shield connection                  | No               |
| • Conductor cross-section, min.                        | 0.14 mm²; AWG 26 |
| • Conductor cross-section, max.                        | 2.5 mm²; AWG 14  |
| • Number of process terminals to I/O module            | 12; Pro slot     |
| • Number of terminals to AUX bus                       | 0                |
| • Number of add-on terminals                           | 0                |
| • Number of terminals with connection to P1 and P2 bus | 0; Pro slot      |

#### Dimensions

|        |        |
|--------|--------|
| Width  | 20 mm  |
| Height | 117 mm |
| Depth  | 35 mm  |

#### Weights

|                 |      |
|-----------------|------|
| Weight, approx. | 48 g |
|-----------------|------|

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