



SIMATIC ET 200SP, BaseUnit BU20-P16+A0+2B, BU-TYPE U0, Packaging Unit: 1 Pieces, Push-in terminals, w/o AUX-terminals, bridged to left BU, WxH: 20mm x 117mm

| General information                                      |                                                        |
|----------------------------------------------------------|--------------------------------------------------------|
| Product type designation                                 | BU type U0                                             |
| HW functional status                                     | from FS11                                              |
| Supply voltage                                           |                                                        |
| Rated value (DC)                                         | See manual                                             |
| • For P1 and P2 bus                                      | 120 V                                                  |
| • For AUX bus                                            | 120 V; Equal potential group to P1/P2 bus or PE        |
| • for process terminals                                  | 120 V                                                  |
| Rated value (AC)                                         | See manual                                             |
| • For P1 and P2 bus                                      | 277 V                                                  |
| • For AUX bus                                            | 277 V; Equal potential group to P1/P2 bus or PE        |
| • for process terminals                                  | 277 V; 480 V (L1 - L2 - L3); 277 V (L, N)              |
| 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.                              | 10 A; Point of contact, derating depends on the module |
| Hardware configuration                                   |                                                        |
| Automatic encoding                                       | Yes                                                    |
| Formation of potential groups                            |                                                        |
| • New potential group                                    | No                                                     |
| • Potential group continued from the left                | 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 15 and 16    |
| between power bus and supply voltage                     | No                                                     |
| Isolation                                                |                                                        |
| Isolation tested with                                    | 3 100 V DC                                             |
| Standards, approvals, certificates                       |                                                        |
| Ecological footprint                                     |                                                        |
| • environmental product declaration                      | Yes                                                    |
| Global warming potential                                 |                                                        |
| — global warming potential, (total) [CO2 eq]             | 0.873 kg                                               |
| — global warming potential, (during production) [CO2 eq] | 0.866 kg                                               |
| — global warming potential, (during operation) [CO2 eq]  | 0 kg                                                   |

eq]

— global warming potential, (after end of life cycle)  
[CO2 eq]

-0.0011 kg

**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. 3 000 m

**connection method****Terminals**

- Terminal type Push-in terminal
- system-integrated shield connection Yes; Optional
- Conductor cross-section, min. 0.14 mm<sup>2</sup>; 0.2 mm<sup>2</sup> without wire end ferrule
- Conductor cross-section, max. 2.5 mm<sup>2</sup>; 1.5 mm<sup>2</sup> with wire end ferrule
- Number of process terminals to I/O module 16
- Number of terminals to AUX bus 0
- Number of add-on terminals 0
- Number of terminals with connection to P1 and P2 bus 2

**Dimensions**

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

**Weights**

|                 |      |
|-----------------|------|
| Weight, approx. | 50 g |
|-----------------|------|

**Classifications**

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 27-24-26-03    |
| eClass | 12      | 27-24-26-03    |
| eClass | 9.1     | 27-24-26-03    |
| eClass | 9       | 27-24-26-03    |
| eClass | 8       | 27-24-26-03    |
| eClass | 7.1     | 27-24-26-03    |
| eClass | 6       | 27-24-26-03    |
| ETIM   | 9       | EC001598       |
| ETIM   | 8       | EC001598       |
| ETIM   | 7       | EC001598       |
| IDEA   | 4       | 3560           |
| UNSPSC | 15      | 32-15-17-04    |

**Approvals / Certificates****General Product Approval**

[Manufacturer Declaration](#)



[KC](#)

**For use in hazardous locations****Marine / Shipping**

[FM](#)

**Marine / Shipping****Environment**

[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)



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