

Siemens  
EcoTech



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



| General information                          |                                                        |
|----------------------------------------------|--------------------------------------------------------|
| Product type designation                     | BU type U0                                             |
| HW functional status                         | FS10 and higher                                        |
| 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                                                  |
| 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.                  | 10 A; Point of contact, derating depends on the module |
| Hardware configuration                       |                                                        |
| Automatic encoding                           | Yes                                                    |
| Formation of potential groups                |                                                        |
| • New potential group                        | Yes                                                    |
| • Potential group continued from the left    | No                                                     |
| 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       |
| — 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 |

|                   |                                            |
|-------------------|--------------------------------------------|
| Absolute humidity |                                            |
| • dew point, min. | -60 °C; suitable for dry room applications |

#### Connection method

|                                                        |                                            |
|--------------------------------------------------------|--------------------------------------------|
| Terminals                                              |                                            |
| • Terminal type                                        | Push-in terminal                           |
| • system-integrated shield connection                  | Yes; Optional                              |
| • Conductor cross-section, min.                        | 0.14 mm²; 0.2 mm² without wire end ferrule |
| • Conductor cross-section, max.                        | 2.5 mm²; 1.5 mm² 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 | 16      | 27-24-26-03    |
| 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   | 10      | EC001598       |
| 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](#)



|                          |                                |                      |
|--------------------------|--------------------------------|----------------------|
| General Product Approval | For use in hazardous locations | Maritime application |
|--------------------------|--------------------------------|----------------------|



[FM](#)



|                      |
|----------------------|
| Maritime application |
|----------------------|



[NK / Nippon Kaiji Kyokai](#)



|                      |             |
|----------------------|-------------|
| Maritime application | Environment |
|----------------------|-------------|

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

[KR \(Korean Register of Shipping\)](#)



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