



SIMATIC ET 200SP, BaseUnit BU20-P16+A0+2D, BU-TYPE U0, Packaging Unit: 10 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
<ul style="list-style-type: none"> <li>For P1 and P2 bus</li> <li>For AUX bus</li> <li>for process terminals</li> </ul>	120 V 120 V; Equal potential group to P1/P2 bus or PE 120 V
Rated value (AC)	See manual
<ul style="list-style-type: none"> <li>For P1 and P2 bus</li> <li>For AUX bus</li> <li>for process terminals</li> </ul>	277 V 277 V; Equal potential group to P1/P2 bus or PE 277 V
external protection for power supply lines	Yes
Mains filter	
<ul style="list-style-type: none"> <li>integrated</li> </ul>	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	
<ul style="list-style-type: none"> <li>New potential group</li> <li>Potential group continued from the left</li> </ul>	Yes No
Slots	
<ul style="list-style-type: none"> <li>Number of slots</li> </ul>	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
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>horizontal installation, min.</li> <li>horizontal installation, max.</li> <li>vertical installation, min.</li> <li>vertical installation, max.</li> </ul>	-30 °C 60 °C -30 °C 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
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last modified: 3/12/2024 