

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, BU20-P16+A0+2B, PU 1
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> </ul>	120 V
<ul style="list-style-type: none"> <li>• For AUX bus</li> </ul>	120 V; Equal potential group to P1/P2 bus or PE
<ul style="list-style-type: none"> <li>• for process terminals</li> </ul>	120 V
Rated value (AC)	See manual
<ul style="list-style-type: none"> <li>• For P1 and P2 bus</li> </ul>	240 V
<ul style="list-style-type: none"> <li>• For AUX bus</li> </ul>	240 V; Equal potential group to P1/P2 bus or PE
<ul style="list-style-type: none"> <li>• for process terminals</li> </ul>	240 V

<b>Mains filter</b>	
<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
<b>Hardware configuration</b>	
Automatic encoding	Yes
<b>Formation of potential groups</b>	
• New potential group	No
• Potential group continued from the left	Yes
<b>Potential separation</b>	
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
<b>Isolation</b>	
Isolation tested with	3 100 V DC
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• horizontal installation, min.	-30 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	-30 °C
• vertical installation, max.	50 °C
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	2 000 m; On request: Installation altitudes greater than 2 000 m
<b>Connection method</b>	
<b>Terminals</b>	
• Terminal type	Push-in terminal
• 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
<b>Dimensions</b>	
Width	20 mm
Height	117 mm
Depth	35 mm
<b>Weights</b>	
Weight, approx.	50 g
<b>last modified:</b>	01/22/2020