



SIMATIC ET 200SP, BaseUnit BU20-P12+A0+4B, BU type B1, Packing unit: 1 unit, push-in terminals, without auxiliary terminals, bridged to the left, WxH: 20 mm x 117 mm

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
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.	2 000 m; On request: Installation altitudes greater than 2 000 m				
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				
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	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					
 EG-Konf.		Manufacturer Declaration	 UL	KC	 RCM
For use in hazardous locations					
 UL	CCC-Ex	FM	 ATEX	Miscellaneous	 IECEEx
For use in hazardous locations		Maritime application			

[Type Examination Certificate](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application

Environment



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



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