



SIMATIC ET 200SP, BaseUnit BU20-P12+A0+4B, BU-Type B1, Packaging unit: 10 pieces, Push-in terminals, without AUX-terminals, bridged to left BU, WxH: 20mm x 117mm



General information

Product type designation	BU type B1
HW functional status	FS10 and higher

Supply voltage

Rated value (DC)	See manual 24 V 24 V; Equal potential group to P1/P2 bus or PE 24 V
Rated value (AC)	See manual 230 V 230 V; Equal potential group to P1/P2 bus or PE 230 V
external protection for power supply lines	Yes

Mains filter

• integrated	No
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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
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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]	0.866 kg

eq]	0 kg
— global warming potential, (during operation) [CO ₂ eq]	
— global warming potential, (after end of life cycle) [CO ₂ 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
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Accessories

Color coding labels

• for AUX terminals	CC84 to CC86
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Connection method

Terminals

• Terminal type	Push-in terminal
• system-integrated shield connection	No
• Conductor cross-section, min.	0.14 mm ² ; AWG 26
• Conductor cross-section, max.	2.5 mm ² ; 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
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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	Maritime application	Environment
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[Manufacturer Declaration](#)



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