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Data sheet 6ES7193-6BP20-2BB1



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
● 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

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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
Accessories	
Color coding labels	
● for AUX terminals	CC84 to CC86
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	Maritime application	Environment
Manufacturer Declaration	RMRS	EPD, Siemens EcoTech

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