

Catalog

**SIEMENS**

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## BaseUnits

### Overview

With the BaseUnits (BUs), the ET 200SP offers a rugged and service-friendly design with permanent wiring:

- No tools needed for one-handed wiring using push-in terminals
- Actuation of the spring NC contacts with a standard screwdriver, with a blade width up to 3.5 mm
- Outstanding access due to arrangement of measuring tap, spring NC contacts and cable entry in columns, while at the same time reducing the space required by 64%
- Fault-proof color coding of the spring NC contacts for better orientation in the terminal panel
- Replacement of I/O modules during operation without affecting the wiring
- Operation with module gaps (gaps without I/O module)
- Automatic coding of the I/O modules prevents destruction of the electronics if a module is accidentally inserted in the wrong slot during replacement
- High EMC interference immunity:
  - self-assembling shielded backplane bus
  - multi-layer conductor plate with shield levels for interference-free signal transmission from the terminal to the I/O module
  - system-integrated, space-saving shield connection for quick installation
- Self-assembling potential groups without external wiring or jumpers
- Replaceable terminal box
- Side-by-side latching of the BUs for high mechanical and EMC loads
- Optional module-specific color identification of the terminals according to the color code CC
- Optional equipment marking using slide-in equipment labeling plates

An ET 200SP station can be expanded via one 'BU-Send' BaseUnit with a "BA-Send" BusAdapter plugged onto it with up to 16 modules from the ET 200AL series of I/O devices with IP67 protection.

### Design

The different BaseUnits (BU) facilitate the exact adaptation to the required type of wiring. This enables users to select economical connection systems for the I/O modules used for their task. The TIA Selection Tool assists in the selection of the BaseUnits most suitable for the application.

BaseUnits with the following functions are available:

- Single-conductor connection, with direct connection of the shared return conductor
- Direct multi-conductor connection (2, 3 or 4-wire connection)
- Recording of the terminal temperature for the internal temperature compensation for thermocouple measurements
- AUX or additional terminals for individual use as voltage distribution terminal

The BaseUnits (BU) can be plugged onto DIN rails compliant with EN 60715 (35 x 7.5 mm or 35 mm x 15 mm). The BUs are arranged next to one another beside the interface module, thereby safeguarding the electromechanical link between the individual system components. An I/O module is plugged onto the BUs, which ultimately determines the function of the respective

slot and the potentials of the terminals.

**BaseUnit M0**



SIMATIC ET 200SP BU type M0



SIMATIC ET 200SP R1 with BU M0

The BaseUnit M0 is used exclusively together with the redundant interface modules IM 155-6 PN R1. The base unit has plug-in facilities for two interface modules, provided with 24 V connection and connection to the backplane bus. An inserted interface

terminals for two interface modules, provided with 24 V connection and connection to the backplane bus. An inserted interface module can be replaced during operation without affecting the other interface module.

### Potential group formation

Scalable I/O systems usually offer the possibility of individual potential group formation. In the case of distributed I/O devices, this previously required an additional power module (infeed module) that provided the separation from the left-hand potential group as well as the infeed, display, monitoring, and diagnostics of the load voltage. It also featured a filter function against external interference and offered protection against polarity reversal.

All of these functions are now integrated into the basic components of the system with ET 200SP. For users, this means the elimination of the power module. This saves an additional slot for each potential group, resulting in greater flexibility in terms of configuration and, ultimately, a saving of storage space.

A light BU separates the self-assembling, internal voltage buses (P1, P2, AUX) and thus opens a new potential group. The supply voltage of a potential group must be fed in at the light BU of this potential group.

A dark BU forwards the supply voltage of the adjacent light BU on the left via the self-assembling voltage buses P1, P2 and AUX. A new infeed is therefore only required on the next light BU to the right. The setting of a further light BU is required whenever

- a new potential group is to be formed (for example, for isolating the supply voltage from module groups) or
- the maximum current simultaneously required by the potential group exceeds the permissible limit of 10 A.

### Labeling

#### Equipment labeling plates

Equipment labeling plates enable the equipment to be easily identified (e.g. compliant with EN 81346). They are easily plugged onto the required component (interface modules, I/O modules and BaseUnits) and when required, they can be easily replaced with the component.

The following labeling components are available:

- Equipment labeling plates, white, ten sheets each with 16 labels, for thermal transfer card printers or labels

#### Color identification of the terminals

The potentials at the terminals of the BaseUnit are defined by the I/O module. Optionally, the potentials of the terminals can be identified by module-specific color-coded labels to prevent wiring errors. The color-coded label that matches the respective I/O module is defined by the color code CCxx of the I/O module. This color code is also printed on the front of the module.

In BaseUnits with 10 internally jumpered AUX terminals, these can also be identified with color-coded labels. For the 10 AUX terminals, color-coded labels are available in red, blue, and yellow/green.

#### System-integrated shield connection

For the space-saving and EMC-optimized connection of cable shields, a shield connection is available that is quick and easy to mount. This consists of one shield connection element that can be plugged onto the BaseUnit and one shield terminal for each module. The low-impedance connection to the functional ground (DIN rail) is achieved without any additional wiring by the user.

The BaseUnits can be equipped with an equipment labeling plate.

### Technical specifications

Article number	6ES7193-6BP20-0DA0	6ES7193-6BP00-0DA0	6ES7193-6BP20-0BA0	6ES7193-6BP00-0BA0
	BaseUnit Type A0, BU15-P16+A10+2D	BaseUnit Type A0, BU15-P16+A0+2D	BaseUnit Type A0, BU15-P16+A10+2B	BaseUnit Type A0, BU15-P16+A0+2B
<b>General information</b>				
Product type designation	BU type A0	BU type A0	BU type A0	BU type A0
HW functional status	From FS07	From FS06	From FS06	From FS06
<b>Supply voltage</b>				
Rated value (DC)	24 V	24 V	24 V	24 V
external protection for power supply lines	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic
<b>Mains filter</b>				
• integrated		Yes		No
<b>Current carrying capacity</b>				
For P1 and P2 bus, max.	10 A	10 A	10 A	10 A
For AUX bus, max.	10 A		10 A	
For process terminals, max.	2 A	2 A	2 A	2 A

#### Hardware configuration

Automatic encoding				
				Yes
Formation of potential groups				
Article number	6ES7193-6BP20-0DA0	6ES7193-6BP00-0DA0	6ES7193-6BP20-0BA0	6ES7193-6BP00-0BA0
	BaseUnit Type A0, BU15-P16+A10+2D	BaseUnit Type A0, BU15-P16+A0+2D	BaseUnit Type A0, BU15-P16+A10+2B	BaseUnit Type A0, BU15-P16+A0+2B
• New potential group	Yes	Yes	No	No
• Potential group continued from the left	No	No	Yes	Yes
Slots				
• Number of slots	1; Type A0	1; Type A0	1; Type A0	1; Type A0
Potential separation between the potential groups				
	Yes	Yes		
Isolation				
Isolation tested with	707 V DC (type test)	707 V DC (type test)	707 V DC (type test)	707 V DC (type test)
Ambient conditions				
Ambient temperature during operation				
• horizontal installation, min.	-30 °C	-30 °C	-30 °C	-30 °C
• horizontal installation, max.	60 °C	60 °C	60 °C	60 °C
• vertical installation, min.	-30 °C	-30 °C	-30 °C	-30 °C
• vertical installation, max.	50 °C	50 °C	50 °C	50 °C
Altitude during operation relating to sea level				
• Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Accessories				
Color coding labels				
• for process terminals	CC00 to CC09	CC00 to CC09	CC00 to CC09	CC00 to CC09
• for AUX terminals	CC71 to CC73	does not exist	CC71 to CC73	does not exist
• for add-on terminals	does not exist	does not exist	does not exist	does not exist
connection method / header				
Terminals				
• Terminal type	Push-in terminal	Push-in terminal	Push-in terminal	Push-in terminal
• system-integrated shield connection	Yes; Optional	Yes; Optional	Yes; Optional	Yes; Optional
• Conductor cross-section, min.	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26
• Conductor cross-section, max.	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14
• Number of process terminals to I/O module	16	16	16	16; Pro slot
• Number of terminals to AUX bus	10	0	10	0
• Number of add-on terminals	0	0	0	0
• Number of terminals with connection to P1 and P2 bus	2	2	2	2; Pro slot

Dimensions					
Article number	6ES7193-6BP20-0DA0	6ES7193-6BP00-0DA0	6ES7193-6BP20-0BA0	6ES7193-6BP00-0BA0	
	BaseUnit Type A0, BU15-P16+A10+2D	BaseUnit Type A0, BU15-P16+A0+2D	BaseUnit Type A0, BU15-P16+A10+2B	BaseUnit Type A0, BU15-P16+A0+2B	
Width	15 mm	15 mm	15 mm	15 mm	15 mm
Height	141 mm	117 mm	141 mm	117 mm	117 mm
Depth	35 mm	35 mm	35 mm	35 mm	35 mm
Weights					
Weight, approx.	50 g	40 g	50 g	40 g	
Article number	6ES7193-6BP20-0BB0	6ES7193-6BP20-0BB1	6ES7193-6BP20-0DC0	6ES7193-6BP20-0BC1	6ES7193-6BP20-0BF0
	BaseUnit Type B0, BU20-P12+A4+0B	BaseUnit Type B1, BU20-P12+A0+4B, PU 1	BaseUnit Type C0, BU20-P6+A2+4D	BaseUnit Type C1, BU20-P6+A2+4B	BaseUnit Type F0, BU20-P8+A4+0B
General information					
Product type designation	BU type B0	BU type B1	BU type C0	BU type C1	BU type F0
HW functional status	FS10 and higher	FS10 and higher	FS10 and higher	FS10 and higher	FS10 and higher
Supply voltage					
Rated value (DC)	See manual	See manual	See manual	See manual	See manual
• For P1 and P2 bus	24 V	24 V	24 V	24 V	
• For AUX bus	24 V; Equal potential group to P1/P2 bus or PE	24 V; Equal potential group to P1/P2 bus or PE	24 V; Equal potential group to P1/P2 bus or PE	24 V; Equal potential group to P1/P2 bus or PE	
• for process terminals	24 V	24 V	24 V	24 V	
Rated value (AC)	See manual	See manual	See manual	See manual	See manual
• For P1 and P2 bus	230 V	230 V	230 V	230 V	
• For AUX bus	230 V; Equal potential group to P1/P2 bus or PE	230 V; Equal potential group to P1/P2 bus or PE	230 V; Equal potential group to P1/P2 bus or PE	230 V; Equal potential group to P1/P2 bus or PE	
• for process terminals	230 V	230 V	230 V	230 V	
external protection for power supply lines		Yes	Yes; 10 A miniature circuit breaker with type B or C tripping characteristic for the respective rated supply voltage		
Mains filter					
• integrated	No	No	No	No	No
Current carrying capacity					
up to 60 °C, max.	10 A	10 A	10 A	10 A	10 A
For P1 and P2 bus, max.	10 A	10 A	10 A	10 A	10 A
For AUX bus, max.	10 A	10 A	10 A	10 A	10 A
For process terminals, max.	5 A	5 A	5 A; 10 A for process terminals 5 and 6	5 A; 10 A for process terminals 5 and 6	5 A
Hardware configuration					
Automatic encoding	Yes	Yes	Yes	Yes	Yes
Slots					
• Number of slots	1	1	1	1; Type C1	1; Type F0
Potential separation					
between backplane bus and supply voltage	Yes	Yes	Yes	Yes	Yes
between process terminals	Yes; only for	Yes; Not	Yes	Yes	Yes

and supply voltage	process terminals 1 to 8	applicable for process terminals 9 to 12			
<b>Article number</b>	<b>6ES7193-6BP20-0BB0</b> BaseUnit Type B0, BU20-P12+A4+0B	<b>6ES7193-6BP20-0BB1</b> BaseUnit Type B1, BU20- P12+A0+4B, PU 1	<b>6ES7193-6BP20-0DC0</b> BaseUnit Type C0, BU20- P6+A2+4D	<b>6ES7193-6BP20-0BC1</b> BaseUnit Type C1, BU20- P6+A2+4B	<b>6ES7193-6BP20-0BF0</b> BaseUnit Type F0, BU20-P8+A4+0B
between power bus and supply voltage	No	Yes	No	No	Yes
<b>Isolation</b>					
Isolation tested with	3 100 V DC	3 100 V DC	3 100 V DC	3 100 V DC	3 100 V DC
<b>Ambient conditions</b>					
<b>Ambient temperature during operation</b>					
• horizontal installation, min.	-30 °C	-30 °C	-30 °C	-30 °C	-30 °C
• horizontal installation, max.	60 °C	60 °C	60 °C	60 °C	60 °C
• vertical installation, min.	-30 °C	-30 °C	-30 °C	-30 °C	-30 °C
• vertical installation, max.	50 °C	50 °C	50 °C	50 °C	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	2 000 m; On request: Installation altitudes greater than 2 000 m	2 000 m; On request: Installation altitudes greater than 2 000 m	2 000 m; On request: Installation altitudes greater than 2 000 m	2 000 m; On request: Installation altitudes greater than 2 000 m
<b>Accessories</b>					
<b>Color coding labels</b>					
• for process terminals			CC51, CC52	CC51	
• for AUX terminals	CC81 to CC83		CC84 to CC86	CC84 to CC86	
• for add-on terminals			does not exist	does not exist	
<b>connection method / header</b>					
<b>Terminals</b>					
• Terminal type	Push-in terminal	Push-in terminal	Push-in terminal	Push-in terminal	
• system-integrated shield connection	Yes; Optional	No	Yes; Optional	Yes; Optional	Yes; Optional
• Conductor cross- section, min.	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26	
• Conductor cross- section, max.	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14	
• Number of process terminals to I/O module	12; Pro slot	12; Pro slot	12; Pro slot	16; Pro slot	
• Number of terminals to AUX bus	0	0	0	0	
• Number of add-on terminals	0	0	0	0	
• Number of terminals with connection to B1	0; Pro slot	0; Pro slot	0; Pro slot	2; Pro slot	

with connection to P1  
and P2 bus

Article number	6ES7193-6BP20-0BB0	6ES7193-6BP20-0BB1	6ES7193-6BP20-0DC0	6ES7193-6BP20-0BC1	6ES7193-6BP20-0BF0
	BaseUnit Type B0, BU20-P12+A4+0B	BaseUnit Type B1, BU20-P12+A0+4B, PU 1	BaseUnit Type C0, BU20-P6+A2+4D	BaseUnit Type C1, BU20-P6+A2+4B	BaseUnit Type F0, BU20-P8+A4+0B
<b>Dimensions</b>					
Width	20 mm	20 mm	20 mm	20 mm	20 mm
Height	117 mm	117 mm	117 mm	117 mm	117 mm
Depth	35 mm	35 mm	35 mm	35 mm	35 mm
<b>Weights</b>					
Weight, approx.	48 g	48 g	47 g	47 g	48 g

Article number	6ES7193-6BP40-0DA1	6ES7193-6BP00-0DA1	6ES7193-6BP40-0BA1	6ES7193-6BP00-0BA1
	BaseUnit Type A1, BU15-P16+A0+12D/T	BaseUnit Type A1, BU15-P16+A0+2D/T	BaseUnit Type A1, BU15-P16+A0+12B/T	BaseUnit Type A1, BU15-P16+A0+2B/T
<b>General information</b>				
Product type designation	BU type A1	BU type A1	BU type A1	BU type A1
HW functional status	FS10 and higher	FS10 and higher	FS10 and higher	FS10 and higher
<b>Supply voltage</b>				
Rated value (DC)	24 V	24 V	24 V	24 V
external protection for power supply lines	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic
<b>Current carrying capacity</b>				
For P1 and P2 bus, max.	10 A	10 A	10 A	10 A
For process terminals, max.	2 A	2 A	2 A	2 A
<b>Hardware configuration</b>				
Additional terminals	Yes		Yes	
Temperature sensor	Yes	Yes	Yes	Yes
<b>Formation of potential groups</b>				
• New potential group	Yes	Yes	No	No
• Potential group continued from the left	No	No	Yes	Yes
<b>Slots</b>				
• Number of slots	1; Type A1	1; Type A1	1; Type A1	1; Type A1
<b>Potential separation between the potential groups</b>				
	Yes	Yes		
<b>Isolation</b>				
Isolation tested with	707 V DC (type test)	707 V DC (type test)	707 V DC (type test)	707 V DC (type test)
<b>Ambient conditions</b>				
<b>Ambient temperature during operation</b>				
• horizontal installation, min.	-30 °C	-30 °C	-30 °C	-30 °C
• horizontal installation, max.	60 °C	60 °C	60 °C	60 °C
• vertical installation, min.	-30 °C	-30 °C	-30 °C	-30 °C
• vertical installation, max.	50 °C	50 °C	50 °C	50 °C
<b>Altitude during operation relating to sea level</b>				
• Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m	5 000 m; Restrictions for installation altitudes > 2 000 m	5 000 m; Restrictions for installation altitudes > 2 000 m	5 000 m; Restrictions for installation altitudes > 2 000 m

	articles - 2 000 m, see manual	articles - 2 000 m, see manual	articles - 2 000 m, see manual	articles - 2 000 m, see manual
<b>Accessories</b>				
<b>Article number</b>	<b>6ES7193-6BP40-0DA1</b> BaseUnit Type A1, BU15-P16+A0+12D/T	<b>6ES7193-6BP00-0DA1</b> BaseUnit Type A1, BU15-P16+A0+2D/T	<b>6ES7193-6BP40-0BA1</b> BaseUnit Type A1, BU15-P16+A0+12B/T	<b>6ES7193-6BP00-0BA1</b> BaseUnit Type A1, BU15-P16+A0+2B/T
<b>Color coding labels</b>				
• for process terminals	CC00 to CC09	CC00 to CC09	CC00 to CC09	CC00 to CC09
• for AUX terminals	does not exist	does not exist	does not exist	does not exist
• for add-on terminals	CC74	does not exist	CC74	does not exist
<b>connection method / header</b>				
<b>Terminals</b>				
• Terminal type	Push-in terminal	Push-in terminal	Push-in terminal	Push-in terminal
• system-integrated shield connection	Yes; Optional	Yes; Optional	Yes; Optional	Yes; Optional
• Conductor cross-section, min.	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26	0.14 mm <sup>2</sup> ; AWG 26
• Conductor cross-section, max.	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14	2.5 mm <sup>2</sup> ; AWG 14
• Number of process terminals to I/O module	16	16	16	16
• Number of terminals to AUX bus	0	0	0	0
• Number of add-on terminals	2x5	0	2x5	0
• Number of terminals with connection to P1 and P2 bus	2	2	2	2
<b>Dimensions</b>				
Width	15 mm	15 mm	15 mm	15 mm
Height	141 mm	117 mm	141 mm	117 mm
Depth	35 mm	35 mm	35 mm	35 mm
<b>Weights</b>				
Weight, approx.	50 g	40 g	50 g	40 g

<b>Article number</b>	<b>6ES7193-6BP00-0DU0</b> BaseUnit Type U0, BU20-P16+A0+2D, PU 1	<b>6ES7193-6BP00-0BU0</b> BaseUnit Type U0, BU20-P16+A0+2B, PU 1
<b>General information</b>		
Product type designation	BU type U0	BU type U0
HW functional status	FS10 and higher	from FS11
<b>Supply voltage</b>		
Rated value (DC)	See manual	See manual
• For P1 and P2 bus	120 V	120 V
• For AUX bus	120 V; Equal potential group to P1/P2 bus or PE	120 V; Equal potential group to P1/P2 bus or PE
• for process terminals	120 V	120 V
Rated value (AC)	See manual	See manual
• For P1 and P2 bus	277 V	277 V
• For AUX bus	277 V; Equal potential group to P1/P2 bus or PE	277 V; Equal potential group to P1/P2 bus or PE
• for process terminals	277 V	277 V; 480 V (1 1 - 1 2 - 1 3); 277 V



• for process terminals	Yes	Yes
external protection for power supply lines	Yes	
<b>Article number</b>	<b>6ES7193-6BP00-0DU0</b>	<b>6ES7193-6BP00-0BU0</b>
	BaseUnit Type U0, BU20-P16+A0+2D, PU 1	BaseUnit Type U0, BU20-P16+A0+2B, PU 1
<b>Mains filter</b>		
• integrated	No	No
<b>Current carrying capacity</b>		
up to 60 °C, max.	10 A	10 A
For P1 and P2 bus, max.	10 A	10 A
For AUX bus, max.	10 A	10 A
For process terminals, max.	10 A; Point of contact, derating depends on the module	10 A; Point of contact, derating depends on the module
<b>Hardware configuration</b>		
Automatic encoding	Yes	Yes
<b>Formation of potential groups</b>		
• New potential group	Yes	No
• Potential group continued from the left	No	Yes
<b>Slots</b>		
• Number of slots	1	1
<b>Potential separation</b>		
between backplane bus and supply voltage	Yes	Yes
between process terminals and supply voltage	Yes; Not applicable for process terminals 15 and 16	Yes; Not applicable for process terminals 15 and 16
between power bus and supply voltage	No	No
<b>Isolation</b>		
Isolation tested with	3 100 V DC	3 100 V DC
<b>Ambient conditions</b>		
<b>Ambient temperature during operation</b>		
• horizontal installation, min.	-30 °C	-30 °C
• horizontal installation, max.	60 °C	60 °C
• vertical installation, min.	-30 °C	-30 °C
• vertical installation, max.	50 °C	50 °C
<b>Altitude during operation relating to sea level</b>		
• Installation altitude above sea level, max.	3 000 m	3 000 m
<b>connection method / header</b>		
<b>Terminals</b>		
• Terminal type	Push-in terminal	Push-in terminal
• system-integrated shield connection	Yes; Optional	Yes; Optional
• Conductor cross-section, min.	0.14 mm <sup>2</sup> ; 0.2 mm <sup>2</sup> without wire end ferrule	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	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	16
• Number of terminals to AUX bus	0	0
• Number of add-on terminals	0	0
• Number of terminals with connection to P1 and P2 bus	2	2
<b>Dimensions</b>		
Width	20 mm	20 mm
Height	117 mm	117 mm

Depth	35 mm	35 mm
<b>Weights</b>		
<b>Article number</b>	<b>6ES7193-6BP00-0DU0</b>	<b>6ES7193-6BP00-0BU0</b>
	BaseUnit Type U0, BU20-P16+A0+2D, PU 1	BaseUnit Type U0, BU20-P16+A0+2B, PU 1
Weight, approx.	50 g	50 g
<b>Article number</b>		
	<b>6ES7193-6BN00-0NE0</b>	
	ET 200SP, BaseUnit BU-Send	
<b>General information</b>		
HW functional status	from FS04	
<b>Hardware configuration</b>		
<b>Slots</b>		
• Number of slots	1	
<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>Dimensions</b>		
Width	20 mm	
Height	117 mm	
Depth	35 mm	
<b>Weights</b>		
Weight, approx.	30 g	

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