

Overview (continued)Overview of BaseUnits

BaseUnit	PU	Article No.	CC codes for process terminals	CC codes for AUX terminals
BU type A0 • New load group (light) • 16 process terminals • With 10 AUX terminals	1	6ES7193-6BP20-0DA0	CC00 to CC05	CC71 to CC73
BU type A0 • New load group (light) • 16 process terminals • With 10 AUX terminals	10	6ES7193-6BP20-2DA0	CC00 to CC05	CC71 to CC73
BU type A0 • New load group (light) • 16 process terminals • Without AUX terminals	1	6ES7193-6BP00-0DA0	CC00 to CC05	--
BU type A0 • New load group (light) • 16 process terminals • Without AUX terminals	10	6ES7193-6BP00-2DA0	CC00 to CC05	--
BU type A0 • Forwarding of load group (dark) • 16 process terminals • With 10 AUX terminals	1	6ES7193-6BP20-0BA0	CC00 to CC05	CC71 to CC73
BU type A0 • Forwarding of load group (dark) • 16 process terminals • With 10 AUX terminals	10	6ES7193-6BP20-2BA0	CC00 to CC05	CC71 to CC73
BU type A0 • Forwarding of load group (dark) • 16 process terminals • Without AUX terminals	1	6ES7193-6BP00-0BA0	CC00 to CC05	--
BU type A0 • Forwarding of load group (dark) • 16 process terminals • Without AUX terminals	10	6ES7193-6BP00-2BA0	CC00 to CC05	--
BU type B1 • Forwarding of load group (dark) • 12 process terminals • 2 x 2 (1L, 2L, 1N, 2N) direct infeed module • Without AUX terminals	1	6ES7193-6BP20-0BB1	CC41	--

Overview of potential distribution modules

Potential distribution module	PU	Article No.	CC codes for process terminals
PotDis BU Type P1 (light), 17x P1 potential, 1x P2 potential, for beginning a new load group (max. 10 A)	1	6ES7193-6UP00-0DP1	CC00, CC62
PotDis BU Type P1 (dark), 17x P1 potential, 1x P2 potential, for continuing the load group	1	6ES7193-6UP00-0BP1	CC00, CC62
PotDis BU Type P2 (light), 1x P1 potential, 17x P2 potential, for beginning a new load group (max. 10 A)	1	6ES7193-6UP00-0DP2	CC00, CC63
PotDis BU Type P2 (dark), 1x P1 potential, 17x P2 potential, for continuing the load group	1	6ES7193-6UP00-0BP2	CC00, CC63

I/O systems

SIMATIC ET 200 systems for the control cabinet
SIMATIC ET 200SP

I/O modules > Digital input modules

Ordering data

Digital input modules

Delivery options:
Apart from the standard type of delivery in an individual package, selected I/O modules and BaseUnits are also available in a pack of 10 units.
The pack of 10 units enables the amount of waste to be reduced considerably, as well as saving the time of unpacking individual modules.

The number of modules required is the number of modules ordered.
The type of packaging is chosen by selecting the article number. Packs of 10 can therefore only be ordered in integer multiples of 10.

Digital input module
DI 8x24 V DC, Basic, BU type A0, color code CC01

- PU: 1 unit
- PU: 10 units

6ES7131-6BF01-0AA0

6ES7131-6BF01-2AA0

Digital input module
DI 8x24 V DC Source Input, Basic, BU type A0, color code CC02; PU: 1 unit

6ES7131-6BF61-0AA0

Digital input module
DI 8x24 V DC Standard, BU type A0, color code CC01

- PU: 1 unit
- PU: 10 units

6ES7131-6BF01-0BA0

6ES7131-6BF01-2BA0

Digital input module
DI 16 x 24 V DC Standard, BU type A0, color code CC00

- PU: 1 unit
- PU: 10 units

6ES7131-6BH01-0BA0

6ES7131-6BH01-2BA0

Digital input module
DI 8x24 V DC High Feature, BU type A0, color code CC01, channel-specific diagnostics, isochronous mode, shared input (MSI); PU: 1 unit

6ES7131-6BF00-0CA0

Digital input module
DI 8x24 V DC High Speed, BU type A0, color code CC01; 3 operating modes (fast isochronous DI, 4 pulse counters 32-bit 10 kHz, oversampling); PU: 1 unit

6ES7131-6BF00-0DA0

Digital input module
DI 8xNAMUR High Feature, BU type A0, color code CC01; PU: 1 unit

6ES7131-6TF00-0CA0

Digital input module
DI 4x120 V AC ... 230 V AC Standard, BU type B1, color code CC41; PU: 1 unit

6ES7131-6FD01-0BB1

Usable BaseUnits

BU15-P16+A10+2D

BU type A0; BaseUnit (light) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for starting a new load group (max. 10 A)

- 1 unit
- 10 units

6ES7193-6BP20-0DA0

6ES7193-6BP20-2DA0

BU15-P16+A0+2D

BU type A0; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A)

- 1 unit
- 10 units

6ES7193-6BP00-0DA0

6ES7193-6BP00-2DA0

BU15-P16+A10+2B

BU type A0; BaseUnit (dark) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for continuing the load group

- 1 unit
- 10 units

6ES7193-6BP20-0BA0

6ES7193-6BP20-2BA0

BU15-P16+A0+2B

BU type A0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group

- 1 unit
- 10 units

6ES7193-6BP00-0BA0

6ES7193-6BP00-2BA0

BU20-P12+A0+4B

6ES7193-6BP20-0BB1

BU type B1; BaseUnit (dark) with 12 process terminals to the module; for continuing the load group; 1 unit

Potential distribution modules

PotDis BU

PotDis BU, type P1 (light), 17x P1 potential, 1x P2 potential, for beginning a new load group (max. 10 A)

6ES7193-6UP00-0DP1

PotDis BU, type P1 (dark), 17x P1 potential, 1x P2 potential, for continuing the load group

6ES7193-6UP00-0BP1

PotDis BU, type P2 (light), 1x P1 potential, 17x P2 potential, for beginning a new load group (max. 10 A)

6ES7193-6UP00-0DP2

PotDis BU, type P2 (dark), 1x P1 potential, 17x P2 potential, for continuing the load group

6ES7193-6UP00-0BP2

PotDis TB

PotDis TB, type BR-W, 18x internally jumpered terminals, without connection to P1, P2 or AUX, (total current max. 10 A)

6ES7193-6TP00-0TP0

PotDis TB, type P1-R, 18x P1 potential, (total current max. 10 A)

6ES7193-6TP00-0TP1

PotDis TB, type P2-B, 18x P2 potential, (total current max. 10 A)

6ES7193-6TP00-0TP2

PotDis TB, type n.c.-G, 18x n.c. (not connected) terminals, without reference to P1, P2 or AUX

6ES7193-6TP00-0TN0

Overview (continued)Overview of digital output modules

Digital output	PU	Article No.	CC code	BU type
DQ 16 x 24 V DC/0.5 A BA	1	6ES7132-6BH00-0AA0	CC00	A0
DQ 16 x 24 V DC/0.5 A BA	10	6ES7132-6BH00-2AA0	CC00	A0
DQ 16 x 24 V DC/0.5 A ST	1	6ES7132-6BH01-0BA0	CC00	A0
DQ 16 x 24 V DC/0.5 A ST	10	6ES7132-6BH01-2BA0	CC00	A0
DQ 8 x 24 V DC/0.5 A SNK BA	1	6ES7132-6BF61-0AA0	CC01	A0
DQ 8 x 24 V DC/0.5 A BA	1	6ES7132-6BF01-0AA0	CC02	A0
DQ 8 x 24 V DC/0.5 A BA	10	6ES7132-6BF01-2AA0	CC02	A0
DQ 8 x 24 V DC/0.5 A ST	1	6ES7132-6BF01-0BA0	CC02	A0
DQ 8 x 24 V DC/0.5 A ST	10	6ES7132-6BF01-2BA0	CC02	A0
DQ 8 x 24 V DC/0.5 A HF	1	6ES7132-6BF00-0CA0	CC02	A0
DQ 4 x 24 V DC/2 A ST	1	6ES7132-6BD20-0BA0	CC02	A0
DQ 4 x 24 V DC/2 A ST	10	6ES7132-6BD20-2BA0	CC02	A0
DQ 4 x 24 V DC/2 A HF	1	6ES7132-6BD20-0CA0	CC02	A0
DQ 4 x 24 V DC/2 A HS	1	6ES7132-6BD20-0DA0	CC02	A0
With three operating modes: • Fast isochronous DQ with valve control • Pulse width modulation • Oversampling				
DQ 4 x 24 ... 230 V AC/2 A ST	1	6ES7132-6FD00-0BB1	CC41	B0, B1
DQ 4 x 24 ... 230 V AC/2 A ST	10	6ES7132-6FD00-2BB1	CC41	B0, B1
DQ 4 x 24 ... 230 V AC/2 A HF	1	6ES7132-6FD00-0CU0	CC20	U0
With two operating modes: • DQ • PC: Power control via phase angle, half-wave or full-wave control				
RQ 4 x 24 V UC/2 A CO ST	1	6ES7132-6GD51-0BA0	--	A0
RQ 4 x 120 V DC-230 V AC/ 5 A NO ST	1	6ES7132-6HD01-0BB1	--	B0, B1
RQ 4 x 120 V DC-230 V AC/ 5 A NO ST	10	6ES7132-6HD01-2BB1	--	B0, B1
RQ MA 4 x 120 V DC ... 230 V AC/ 5A NO ST	1	6ES7132-6MD00-0BB1	--	B0, B1

Overview of BaseUnits

BaseUnit	PU	Article No.	CC codes for process terminals	CC codes for AUX terminals
BU type A0 • New load group (light) • 16 process terminals • With 10 AUX terminals	1	6ES7193-6BP20-0DA0	CC01 to CC05	CC71 to CC73
BU type A0 • New load group (light) • 16 process terminals • With 10 AUX terminals	10	6ES7193-6BP20-2DA0	CC01 to CC05	CC71 to CC73
BU type A0 • New load group (light) • 16 process terminals • Without AUX terminals	1	6ES7193-6BP00-0DA0	CC01 to CC05	--
BU type A0 • New load group (light) • 16 process terminals • Without AUX terminals	10	6ES7193-6BP00-2DA0	CC01 to CC05	--
BU type A0 • Forwarding of load group (dark) • 16 process terminals • With 10 AUX terminals	1	6ES7193-6BP20-0BA0	CC01 to CC05	CC71 to CC73

Ordering data	Article No.	Article No.
Digital output module DQ 4x24 V AC ... 230 V AC/2 A High Feature for BU type U0, color code CC20, 2 operating modes: DQ and PC (power control via phase angle, half-wave and full-wave control) • PU: 1 unit	6ES7132-6FD00-0CU0	BU20-P16+A0+2D BU type U0; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A) • PU: 1 unit • PU: 10 units
Signal relay module RQ CO 4x24 V UC/2 A Standard, changeover contact, BU type A0, color code CC00 • PU: 1 unit	6ES7132-6GD51-0BA0	BU20-P16+A0+2B BU type U0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group • PU: 1 unit • PU: 10 units
Relay module RQ NO 4x120 V DC-230 V AC/5 A Standard, NO contact, BU type B0, B1 • PU: 1 unit • PU: 10 units	6ES7132-6HD01-0BB1 6ES7132-6HD01-2BB1	Potential distribution modules PotDis BU PotDis BU, type P1 (light), 17x P1 potential, 1x P2 potential, for beginning a new load group (max. 10 A)
Relay module RQ NO 4x120 V DC-230 V AC/5 A Standard, NO contact, with manual operation, BU type B0, B1	6ES7132-6MD00-0BB1	PotDis BU, type P1 (dark), 17x P1 potential, 1x P2 potential, for continuing the load group
Usable BaseUnits		PotDis BU, type P2 (light), 1x P1 potential, 17x P2 potential, for beginning a new load group (max. 10 A)
BU15-P16+A10+2D BU type A0; BaseUnit (light) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for starting a new load group (max. 10 A) • PU: 1 unit • PU: 10 units	6ES7193-6BP20-0DA0 6ES7193-6BP20-2DA0	PotDis BU, type P2 (dark), 1x P1 potential, 17x P2 potential, for continuing the load group
BU15-P16+A0+2D BU type A0; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A) • PU: 1 unit • PU: 10 units	6ES7193-6BP00-0DA0 6ES7193-6BP00-2DA0	PotDis TB PotDis TB, type BR-W, 18x internally jumpered terminals, without connection to P1, P2 or AUX, (total current max. 10 A)
BU15-P16+A10+2B BU type A0; BaseUnit (dark) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for continuing the load group • PU: 1 unit • PU: 10 units	6ES7193-6BP20-0BA0 6ES7193-6BP20-2BA0	PotDis TB, type P1-R, 18x P1 potential, (total current max. 10 A)
BU15-P16+A0+2B BU type A0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group • PU: 1 unit • PU: 10 units	6ES7193-6BP00-0BA0 6ES7193-6BP00-2BA0	PotDis TB, type P2-B, 18x P2 potential, (total current max. 10 A)
BU20-P12+A4+0B BU type B0; BaseUnit (dark) with 12 process terminals (1 ... 12) to the module and an additional 4 internally jumpered AUX terminals (1 A to 4 A); for continuing the load group • PU: 1 unit • PU: 10 units	6ES7193-6BP20-0BB0 6ES7193-6BP20-2BB0	PotDis TB, type n.c.-G, 18x n.c. (not connected) terminals, without reference to P1, P2 or AUX
BU20-P12+A0+4B BU type B1; BaseUnit (dark) with 12 process terminals to the module; for continuing the load group; PU: 1 unit	6ES7193-6BP20-0BB1	Accessories Equipment labeling plate 10 sheets of 16 labels, for printing with thermal transfer card printer or plotter
		Labeling strips 500 labeling strips on roll, light gray, for inscription with thermal transfer roll printer
		500 labeling strips on roll, yellow, for inscription with thermal transfer roll printer
		1000 labeling strips DIN A4, light gray, card, perforated, for inscription with laser printer
		1000 labeling strips DIN A4, yellow, card, perforated, for inscription with laser printer
		BU cover For covering empty slots (gaps); 5 units • 15 mm wide • 20 mm wide

I/O systemsSIMATIC ET 200 systems for the control cabinet
SIMATIC ET 200SP**I/O modules > Analog input modules****Overview** (continued)Overview of analog input modules

Analog input	PU	Article No.	CC code	BU type
AI 8 x I 2/4-wire BA	1	6ES7134-6GF00-0AA1	CC01	A0, A1
AI 2 x U ST	1	6ES7134-6FB00-0BA1	CC00	A0, A1
AI 8 x U BA	1	6ES7134-6FF00-0AA1	CC02	A0, A1
AI 4 x U/I 2-wire ST	1	6ES7134-6HD00-0BA1	CC03	A0, A1
AI 4 x U/I 2-wire ST	10	6ES7134-6HD00-2BA1	CC03	A0, A1
AI 2 x I 2/4-wire ST	1	6ES7134-6GB00-0BA1	CC05	A0, A1
AI 4 x I 2/4-wire ST	1	6ES7134-6GD00-0BA1	CC03	A0, A1
AI 4 x I 2-wire 4 ... 20 mA HART	1	6ES7134-6TD00-0CA1	CC03	A0, A1
AI 2 x U/I 2/4-wire HF	1	6ES7134-6HB00-0CA1	CC05	A0, A1
AI 2xU/I 2/4-wire HS With two operating modes: • High-speed isochronous AI • Oversampling	1	6ES7134-6HB00-0DA1	CC00	A0, A1
AI 8 x RTD/TC 2-wire HF	1	6ES7134-6JF00-0CA1	CC00	A0, A1
AI 8 x RTD/TC 2-wire HF	10	6ES7134-6JF00-2CA1	CC00	A0, A1
AI 4 x RTD/TC 2/3/4-wire HF	1	6ES7134-6JD00-0CA1	CC00	A0, A1
AI 4 x RTD/TC 2/3/4-wire HF	10	6ES7134-6JD00-2CA1	CC00	A0, A1
AI 2 x SG 4/6-wire High Speed	1	7MH4134-6LB00-0DA0	CC00	A0
AI Energy Meter 400 V AC ST	1	6ES7134-6PA01-0BD0	--	D0
AI Energy Meter 480 V AC ST	1	6ES7134-6PA20-0BD0	--	D0

Overview of BaseUnits

BaseUnit	PU	Article No.	CC codes for process terminals	CC codes for AUX terminals
BU type A0 • New load group (light) • 16 process terminals • With 10 AUX terminals	1	6ES7193-6BP20-0DA0	CC01 to CC05	CC71 to CC73
BU type A0 • New load group (light) • 16 process terminals • With 10 AUX terminals	10	6ES7193-6BP20-2DA0	CC01 to CC05	CC71 to CC73
BU type A0 • New load group (light) • 16 process terminals • Without AUX terminals	1	6ES7193-6BP00-0DA0	CC01 to CC05	--
BU type A0 • New load group (light) • 16 process terminals • Without AUX terminals	10	6ES7193-6BP00-2DA0	CC01 to CC05	--
BU type A0 • Forwarding of load group (dark) • 16 process terminals • With 10 AUX terminals	1	6ES7193-6BP20-0BA0	CC01 to CC05	CC71 to CC73
BU type A0 • Forwarding of load group (dark) • 16 process terminals • With 10 AUX terminals	10	6ES7193-6BP20-2BA0	CC01 to CC05	CC71 to CC73
BU type A0 • Forwarding of load group (dark) • 16 process terminals • Without AUX terminals	1	6ES7193-6BP00-0BA0	CC01 to CC05	--
BU type A0 • Forwarding of load group (dark) • 16 process terminals • Without AUX terminals	10	6ES7193-6BP00-2BA0	CC01 to CC05	--

I/O systems

SIMATIC ET 200 systems for the control cabinet
SIMATIC ET 200SP

I/O modules > Analog input modules

Ordering data

Analog input modules

Type of delivery:
Apart from the standard type of delivery in an individual package, selected I/O modules and BaseUnits are also available in a pack of 10 units. The pack of 10 units enables the amount of waste to be reduced considerably, as well as saving the time of unpacking individual modules.

The number of modules required is the number of modules ordered. The type of packaging is chosen by selecting the article number. Packs of 10 can therefore only be ordered in integer multiples of 10.

Analog input module
AI 8xI 2/4-wire BA, BU type A0 or A1, color code CC01

6ES7 134-6GF00-0AA1

Analog input module
AI 2xU ST, BU type A0 or A1, color code CC00

6ES7134-6FB00-0BA1

Analog input module
AI 8xU BA, BU type A0 or A1, color code CC02

6ES7 134-6FF00-0AA1

Analog input module
AI 4xU/I 2-wire Standard, BU type A0 or A1, color code CC03, 16-bit, $\pm 0.3\%$

- 1 unit
- 10 units

6ES7134-6HD00-0BA1

6ES7134-6HD00-2BA1

6ES7134-6GB00-0BA1

Analog input module
AI 2xI 2/4-wire Standard, BU type A0 or A1, color code CC05, 16-bit

6ES7134-6GD00-0BA1

Analog input module
AI 4xI 2/4-wire Standard, BU type A0 or A1, color code CC03, 16-bit, $\pm 0.3\%$

6ES7134-6TD00-0CA1

Analog input module
AI 4xI 2-wire 4 ... 20 mA HART, BU type A0 or A1, color code CC03

6ES7134-6HB00-0CA1

Analog input module
AI 2xU/I 2/4-wire High Feature, BU type A0 or A1, color code CC05, 16-bit, $\pm 0.1\%$, independent channel isolation, isochronous mode above 1 ms

6ES7134-6HB00-0DA1

Analog input module
AI 2xU/I 2/4-wire High Speed, BU type A0 or A1, color code CC00, 16-bit, $\pm 0.3\%$, isochronous mode above 250 μ s, oversampling above 50 μ s

Analog input module
AI 8xRTD/TC 2-wire High Feature, BU type A0 or A1, color code CC00, 16-bit, $\pm 0.1\%$, scalable measuring range

- 1 unit
- 10 units

6ES7134-6JF00-0CA1

6ES7134-6JF00-2CA1

Analog input module
AI 4xRTD/TC 2/3/4-wire High Feature, BU type A0 or A1, color code CC00, 16-bit, $\pm 0.1\%$, scalable measuring range

- 1 unit
- 10 units

6ES7134-6JD00-0CA1

6ES7134-6JD00-2CA1

Analog input module
AI 2xSG, 4/6-wire High Speed, BU type A0, color code CC00, channel diagnostics, 28/16-bit, $\pm 0.05\%$, for DMS full bridges; for connecting force and torque sensors

7MH4134-6LB00-0DA0

Analog input module
AI Energy Meter Standard, 400 V AC, BU type D0

6ES7134-6PA01-0BD0

Analog input module
AI Energy Meter Standard, 480 V AC, BU type D0

6ES7134-6PA20-0BD0

Usable type A0 BaseUnits

BU15-P16+A10+2D

BU type A0; BaseUnit (light) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for starting a new load group (max. 10 A)

- 1 unit
- 10 units

6ES7193-6BP20-0DA0

6ES7193-6BP20-2DA0

BU15-P16+A0+2D

BU type A0; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A)

- 1 unit
- 10 units

6ES7193-6BP00-0DA0

6ES7193-6BP00-2DA0

BU15-P16+A10+2B

BU type A0; BaseUnit (dark) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for continuing the load group

- 1 unit
- 10 units

6ES7193-6BP20-0BA0

6ES7193-6BP20-2BA0

BU15-P16+A0+2B

BU type A0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group

- 1 unit
- 10 units

6ES7193-6BP00-0BA0

6ES7193-6BP00-2BA0

Usable type A1 BaseUnits (temperature detection)

BU15-P16+A0+12D/T

BU type A1; BaseUnit (light) with 16 process terminals (1 ... 16) to the module and an additional 2x5 internally jumpered additional terminals (1 B to 5 B and 1 C to 5 C); for starting a new load group (max. 10 A)

6ES7193-6BP40-0DA1

BU15-P16+A0+2D/T

BU type A1; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A)

6ES7193-6BP00-0DA1

BU15-P16+A0+12B/T

BU type A1; BaseUnit (dark) with 16 process terminals (1 ... 16) to the module and an additional 2x5 internally jumpered additional terminals (1 B to 5 B and 1 C to 5 C); for continuing the load group

6ES7193-6BP40-0BA1

BU15-P16+A0+2B/T

BU type A1; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group

6ES7193-6BP00-0BA1

Overview (continued)

BaseUnit	PU	Article No.	CC codes for process terminals	CC codes for AUX terminals
BU type A0 • New load group (light) • 16 process terminals • Without AUX terminals	10	6ES7193-6BP00-2DA0	CC01 to CC05	--
BU type A0 • Forwarding of load group (dark) • 16 process terminals • With 10 AUX terminals	1	6ES7193-6BP20-0BA0	CC01 to CC05	CC71 to CC73
BU type A0 • Forwarding of load group (dark) • 16 process terminals • With 10 AUX terminals	10	6ES7193-6BP20-2BA0	CC01 to CC05	CC71 to CC73
BU type A0 • Forwarding of load group (dark) • 16 process terminals • Without AUX terminals	1	6ES7193-6BP00-0BA0	CC01 to CC05	--
BU type A0 • Forwarding of load group (dark) • 16 process terminals • Without AUX terminals	10	6ES7193-6BP00-2BA0	CC01 to CC05	--
BU type A1 • New load group (light) • With temperature sensor • 16 process terminals • With 2x5 additional terminals	1	6ES7193-6BP40-0DA1	CC01 to CC05	CC74
BU type A1 • New load group (light) • With temperature sensor • 16 process terminals • Without 2x5 additional terminals	1	6ES7193-6BP00-0DA1	CC01 to CC05	--
BU type A1 • Forwarding of load group (dark) • With temperature sensor • 16 process terminals • With 2x5 additional terminals	1	6ES7193-6BP40-0BA1	CC01 to CC05	CC74
BU type A1 • Forwarding of load group (dark) • With temperature sensor • 16 process terminals • Without 2x5 additional terminals	1	6ES7193-6BP00-0BA1	CC01 to CC05	--

Overview of potential distributor modules

Potential distributor module	PU	Article No.	CC codes for process terminals
PotDis-BU Type P1 (light), 17x P1 potential, 1x P2 potential, for starting a new load group (max. 10 A)	1	6ES7193-6UP00-0DP1	CC00, CC62
PotDis-BU Type P1 (dark), 17x P1 potential, 1x P2 potential, for continuing the load group	1	6ES7193-6UP00-0BP1	CC00, CC62
PotDis-BU Type P2 (light), 1x P1 potential, 17x P2 potential, for starting a new load group (max. 10 A)	1	6ES7193-6UP00-0DP2	CC00, CC63
PotDis-BU Type P2 (dark), 1x P1 potential, 17x P2 potential, for continuing the load group	1	6ES7193-6UP00-0BP2	CC00, CC63

Ordering data	Article No.	Article No.
Analog output modules		
Analog output module AQ 2xU Standard, BU type A0 or A1, color code CC00, 16-bit	6ES7135-6FB00-0BA1	
Analog output module AQ 2xI Standard, BU type A0 or A1, color code CC00, 16-bit	6ES7135-6GB00-0BA1	
Analog output module AQ 4xU/I Standard, BU type A0 or A1, color code CC00, 16-bit, ± 0.3%	6ES7135-6HD00-0BA1	
Analog output module AQ 2xU/I High Feature, BU type A0 or A1, color code CC00, 16-bit, ±0.1%	6ES7135-6HB00-0CA1	
Analog output module AQ 2xU/I High Speed, BU type A0 or A1, color code CC00, 16-bit, ±0.3%	6ES7135-6HB00-0DA1	
Usable type A0 BaseUnits		
Type of delivery: Apart from the standard type of delivery in an individual package, selected BaseUnits are also available in a pack of 10 units. The pack of 10 units enables the amount of waste to be reduced considerably, as well as saving the time of unpacking individual modules. The number of modules required is the number of modules ordered. The type of packaging is chosen by selecting the article number. Packs of 10 can therefore only be ordered in integer multiples of 10.		
BU15-P16+A10+2D		
BU type A0; BaseUnit (light) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for starting a new load group (max. 10 A)		
• 1 unit • 10 units	6ES7193-6BP20-0DA0 6ES7193-6BP20-2DA0	
BU15-P16+A0+2D		
BU type A0; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A)		
• 1 unit • 10 units	6ES7193-6BP00-0DA0 6ES7193-6BP00-2DA0	
BU15-P16+A10+2B		
BU type A0; BaseUnit (dark) with 16 process terminals (1 ... 16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for continuing the load group		
• 1 unit • 10 units	6ES7193-6BP20-0BA0 6ES7193-6BP20-2BA0	
BU15-P16+A0+2B		
BU type A0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group		
• 1 unit • 10 units	6ES7193-6BP00-0BA0 6ES7193-6BP00-2BA0	
		Usable type A1 BaseUnits (temperature detection)
		BU15-P16+A0+12D/T
		BU type A1; BaseUnit (light) with 16 process terminals (1 ... 16) to the module and an additional 2x5 internally jumpered additional terminals (1 B to 5 B and 1 C to 5 C); for starting a new load group (max. 10 A)
		6ES7193-6BP40-0DA1
		BU15-P16+A0+2D/T
		BU type A1; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A)
		6ES7193-6BP00-0DA1
		BU15-P16+A0+12B/T
		BU type A1; BaseUnit (dark) with 16 process terminals (1 ... 16) to the module and an additional 2x5 internally jumpered additional terminals (1 B to 5 B and 1 C to 5 C); for continuing the load group
		6ES7193-6BP40-0BA1
		BU15-P16+A0+2B/T
		BU type A1; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group
		6ES7193-6BP00-0BA1
		Potential distributor modules
		PotDis-BU
		PotDis-BU, type P1 (light), 17x P1 potential, 1x P2 potential, for starting a new load group (max. 10 A)
		6ES7193-6UP00-ODP1
		PotDis-BU, type P1 (dark), 17x P1 potential, 1x P2 potential, for continuing the load group
		6ES7193-6UP00-OBP1
		PotDis-BU, type P2 (light), 1x P1 potential, 17x P2 potential, for starting a new load group (max. 10 A)
		6ES7193-6UP00-ODP2
		PotDis-BU, type P2 (dark), 1x P1 potential, 17x P2 potential, for continuing the load group
		6ES7193-6UP00-OBP2
		PotDis-TB
		PotDis-TB, type BR-W, 18x internally jumpered terminals, without reference to P1, P2 and AUX, (total current max. 10 A)
		6ES7193-6TP00-OTP0
		PotDis-TB, type P1-R, 18x P1 potential, (total current max. 10 A)
		6ES7193-6TP00-OTP1
		PotDis-TB, type P2-B, 18x P2 potential, (total current max. 10 A)
		6ES7193-6TP00-OTP2
		PotDis-TB, type n.c.-G, 18x n.c. (not connected) terminals, without reference to P1, P2 and AUX
		6ES7193-6TP00-OTN0

Technical specifications (continued)

Article number	6ES7136-6DB00-0CA0 ET 200SP, EL-MOD., F-DQ 4XDC 24V/2A	6ES7136-6DC00-0CA0 ET 200SP, F-DQ 8X 24VDC/0.5A PP
Probability of failure (for service life of 20 years and repair time of 100 hours)		
- Low demand mode: PFDavg in accordance with SIL3	< 2.00E-05	< 6.00E-05
- High demand/continuous mode: PFH in accordance with SIL3	< 1.00E-09 1/h	< 2.00E-09 1/h
Ambient conditions		
Ambient temperature during operation		
• horizontal installation, min.	0 °C	0 °C
• horizontal installation, max.	60 °C	60 °C
• vertical installation, min.	0 °C	0 °C
• vertical installation, max.	50 °C	50 °C
Dimensions		
Width	15 mm	15 mm
Height	73 mm	
Depth	58 mm	
Weights		
Weight, approx.	57 g	48 g

Ordering data

Ordering data	Article No.	Article No.
Digital F output modules		
F-DQ 4x24 V DC High Feature, BU type A0, color code CC01	6ES7136-6DB00-0CA0	
F-DQ 8x24 V DC High Feature, PP-switching, BU type A0, color code CC01	6ES7136-6DC00-0CA0	
Usable BaseUnits		
BU15-P16+A0+2D		
BU type A0; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A)		
• 1 unit	6ES7193-6BP00-0DA0	
• 10 units	6ES7193-6BP00-2DA0	
BU15-P16+A0+2B		
BU type A0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group		
• 1 unit	6ES7193-6BP00-0BA0	
• 10 units	6ES7193-6BP00-2BA0	
BU15-P16+A10+2D		
BU type A0; BaseUnit (light) with 16 process terminals (1...16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for starting a new load group (max. 10 A)		
• 1 unit	6ES7193-6BP20-0DA0	
• 10 units	6ES7193-6BP20-2DA0	
BU15-P16+A10+2B		
BU type A0; BaseUnit (dark) with 16 process terminals (1...16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for continuing the load group		
• 1 unit	6ES7193-6BP20-0BA0	
• 10 units	6ES7193-6BP20-2BA0	
BU20-P12+A4+0B		6ES7193-6BP20-0BB0
BU type B0; BaseUnit (dark) with 12 process terminals (1...12) to the module and an additional 4 internally jumpered AUX terminals (1 A to 4 A); for continuing the load group		
Accessories		
S7 Distributed Safety V5.4 SP5 Update 2 programming tool		
Task: Configuration software for configuring fail-safe user programs for SIMATIC S7-300F, S7-400F, WinAC RTX F, ET 200S, ET 200M, ET 200iSP, ET 200pro, ET 200eco, ET 200SP		
Requirement: Windows 7 SP1 (64-bit), Windows 10 Professional/Enterprise (64-bit), Windows Server 2008 R2 SP1 (64-bit), Windows Server 2012 R2 (64-bit), Windows Server 2016 (64-bit); STEP 7 as of V5.5 SP1 Please also consider the operating systems that have been released for the used STEP 7 version		
Floating license for 1 user; software and documentation on DVD; license key on USB flash drive		6ES7833-1FC02-0YA5
Floating license for 1 user; software, documentation and license key for download ¹⁾ ; email address required for delivery		6ES7833-1FC02-0YH5
S7 Distributed Safety Upgrade		
From V5.x to V5.4; floating license for 1 user; software and documentation on DVD; license key on USB flash drive		6ES7833-1FC02-0YE5

¹⁾ For up-to-date information and download availability, see: <http://www.siemens.com/tia-online-software-delivery>

Technical specifications (continued)

Article number	6ES7193-6BP00-0DU0 BaseUnit type U0, BU20-P16+A0+2D, PU 1	6ES7193-6BP00-0BU0 BaseUnit type U0, BU20-P16+A0+2B, PU 1
Dimensions		
Width	20 mm	20 mm
Height	117 mm	117 mm
Depth	35 mm	35 mm
Weights		
Weight, approx.	50 g	50 g

Article number	6ES7193-6BN00-0NE0 ET 200SP, BASEUNIT BU-SEND
Dimensions	
Width	20 mm
Height	117 mm
Depth	35 mm
Weights	
Weight, approx.	30 g

Ordering data

Article No.	Article No.
Type A0 BaseUnits	Type B0 BaseUnits
BU15-P16+A10+2D BU type A0; BaseUnit (light) with 16 process terminals (1...16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for starting a new load group (max. 10 A) • 1 unit • 10 units	BU20-P12+A4+0B BU type B0; BaseUnit (dark) with 12 process terminals (1...12) to the module and an additional 4 internally jumpered AUX terminals (1 A to 4 A); for continuing the load group; 1 unit • 1 unit • 10 units
BU15-P16+A0+2D BU type A0; BaseUnit (light) with 16 process terminals to the module; for starting a new load group (max. 10 A) • 1 unit • 10 units	Type B1 BaseUnits
BU15-P16+A10+2B BU type A0; BaseUnit (dark) with 16 process terminals (1...16) to the module and an additional 10 internally jumpered AUX terminals (1 A to 10 A); for continuing the load group • 1 unit • 10 units	BU20-P12+A0+4B BU type B1; BaseUnit (dark) with 12 process terminals to the module; for continuing the load group; 1 unit
BU15-P16+A0+2B BU type A0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group • 1 unit • 10 units	Type C0 BaseUnits
	BU20-P6+A2+4D BU type C0; BaseUnit (light) with 6 push-in terminals (1...6) to the module and an additional 2 AUX terminals; new load group
	Type D0 BaseUnits
	BU20-P12+A0+0B BU type D0; BaseUnit (dark) with 12 push-in terminals, without AUX terminals, bridged to the left
	6ES7193-6BP20-0DA0 6ES7193-6BP20-2DA0
	6ES7193-6BP20-0BB0 6ES7193-6BP20-2BB0
	6ES7193-6BP20-0BB1
	6ES7193-6BP20-0DC0
	6ES7193-6BP00-0BA0 6ES7193-6BP20-2BA0
	6ES7193-6BP00-0BA0 6ES7193-6BP00-2BA0