Properties

- A combination of
  - 15 mm BaseUnit of type A0, light-colored version without AUX terminals with article number 6ES7193-6BP00-0DA0
  - 15 mm BaseUnit of type A0, dark-colored version without AUX terminals with article number 6ES7193-6BP00-0BA0
- 2x BaseUnit suitable for all I/O modules of the BaseUnit type "A0/A1". Can be recognized by the laser inscription on the front and/or the last two digits of the article number.
  - Supply voltage (L+ terminal, ground): Max. 24 V DC/10 A
  - Current-carrying capacity per process terminal (terminal 1 to 16): Max. 2 A
- The light-colored side of the 2x BaseUnit opens a new potential group. The self-assembling voltage buses P1 and P2, and the AUX busbar are interrupted to the left-hand neighboring module (BaseUnit, interface module).
- The dark-colored side of the 2x BaseUnit conducts the potential group. The self-assembling voltage buses P1 and P2 and the AUX busbar are connected to the light-colored side of the 2x BaseUnit.
- No access to the AUX bus via the terminals.
- 16 terminals to the process (assignment through the I/O module)
- Connection system in the form of push-in terminals Connection cross-sections are available in the ET 200SP System Manual (https://support.industry.siemens.com/cs/ww/en/view/58649293).

Maximum configuration per potential group

The number of I/O modules that can be used per potential group depends on the following factors:

1. Total power requirement of all I/O modules operated on this potential group
2. Total power requirement of all loads connected externally to this potential group

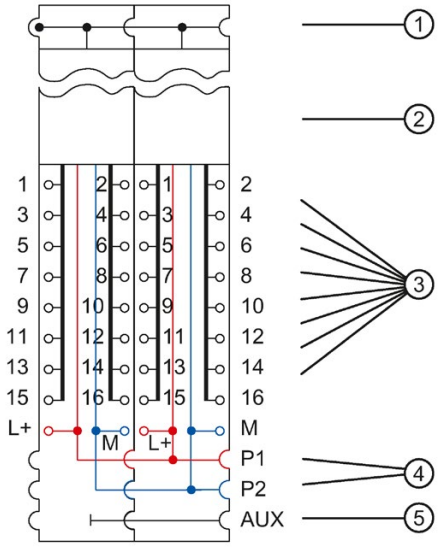
The total current calculated according to item 1. and item 2. must not exceed 10 A.

Connection

Pin assignment

Pin assignment for 2x BaseUnit BU type A0, light-dark version, without AUX terminals	
Terminal	**Descriptions**
1 to 16 (exist 2x)	Assignment is determined by the I/O module. You can find additional information in the I/O module (http://support.automation.siemens.com/WW/view/en/55679691/133300) manual.
(AUX)	No access to the AUX busbar via terminals
L+ / M (exist 2x)	L+: Rated supply voltage 24 V DC with max. 10 A M: Ground

Block diagram



① Backplane bus
② I/O module
③ Terminals with connection to the I/O module
④ System-integrated, self-assembling voltage buses P1, P2 with connection to the supply terminals, interrupted to the adjacent module on the left, forms a new potential group
⑤ System-integrated, self-assembling AUX voltage bus without connection to the AUX terminals, interrupted to the adjacent module on the left, forms a new potential group

Figure 4 Block diagram for 2x BU type A0, light-dark version, without AUX terminals

Technical specifications

Technical specifications of the 2x BaseUnit BU type A0, light-dark version, without AUX terminals

Article number	6ES7193-6BP60-0DA0
General information	
Product type designation	2x BU type A0, light-dark version, without AUX terminals
Supply voltage	
Rated value (DC)	24 V
external protection for power supply lines	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic
Mains filter	
• integrated	Yes
Current carrying capacity	
For P1 and P2 bus, max.	10 A
For process terminals, max.	2 A
Hardware configuration	
Formation of potential groups	
• New potential group	Yes
• Potential group continued from the left	No
Isolation	
Isolation tested with	707 V DC (type test)
Ambient conditions	

Article number	6ES7193-6BP60-0DA0
Ambient temperature during operation	
• horizontal installation, min.	0 °C; On request: Ambient temperatures lower than 0 °C (without condensation)
• horizontal installation, max.	60 °C
• vertical installation, min.	0 °C; On request: Ambient temperatures lower than 0 °C (without condensation)
• 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 process terminals	CC00 to CC09
• for AUX terminals	does not exist
• for add-on terminals	does not exist
Connection method	
Terminals	
• Terminal type	Push-in terminal
• 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	16; 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	2; Pro slot
Dimensions	
Width	30 mm
Height	117 mm
Depth	35 mm
Weights	
Weight, approx.	80 g

Currently valid markings and approvals

Note

Specifications on the 2x BaseUnit

The currently valid markings and approvals are printed on the packaging of the 2x BaseUnit.