3.3 BU15-P16+A10+2B (BU type A0)

3.3.1 Product overview

Article number

6ES7193-6BP20-0BA0

View

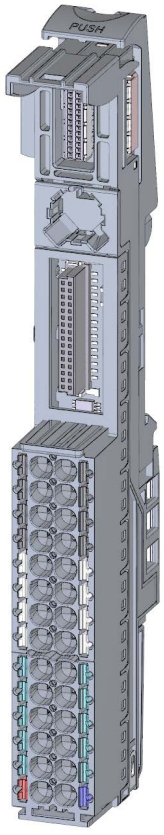


Image 3-5 BaseUnit BU15-P16+A10+2B

Properties

- BaseUnit suitable for all I/O modules of the BaseUnit type "A0/A1". Can be recognized by the last two digits of the article number.
  - Current-carrying capacity per process terminal (terminal 1 to 16): Max. 2 A
- The BaseUnit conducts the potential group further. The self-assembling voltage buses P1 and P2, and the AUX busbar are connected to the left-hand neighboring module (BaseUnit).
- Access to the AUX busbar via terminals
- 16 terminals to the process (assignment through the I/O module)
- 10 AUX terminals for connecting a protective conductor or potential. The AUX busbar is not connected to the I/O module.
- Connection method using push-in terminals

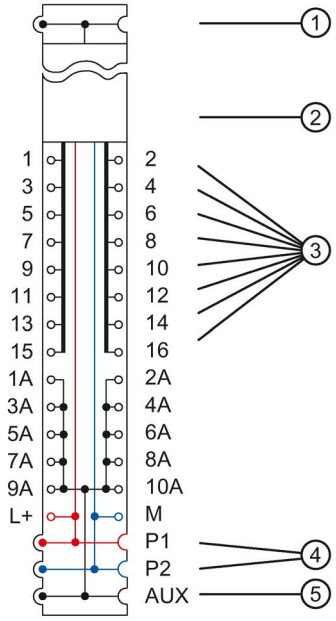
3.3.2 Connection

Pin assignment

Table 3- 3 Pin assignment for BaseUnit BU15-P16+A10+2B

Pin assignment for BaseUnit BU15-P16+A10+2B	
Terminal	**Descriptions**
1 to 16	Assignment is determined by the I/O module. See manual I/O Module (http://support.automation.siemens.com/WW/view/en/55679691/133300).
1A, 2A, 3A, 4A, 5A, 6A, 7A, 8A, 9A, 10A, AUX	Protective conductor connection or voltage bus freely usable up to 24 V DC with max. 10 A
L+, P1 / M, P2	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 Connected voltage buses with connection to the terminals
⑤ Connected AUX busbar connected to the terminals

Image 3-6 Block diagram BU15-P16+A10+2B

3.3.3 Technical specifications

Technical specifications of the BaseUnit BU15-P16+A10+2B

	6ES7193-6BP20-0BA0
Product type designation	BU15-P16+A10+2B
Supply voltage	
Rated value (DC)	24 V
External fuse for power supply lines	Yes: 24 VDC / 10 A miniature circuit breaker with type B or C tripping characteristic
Current carrying capacity	
Current carrying capacity up to 60 °C, max.	10 A
Electrical isolation	
between backplane bus and supply voltage	Yes
Isolation	
Isolation tested with	707 VDC (type test)
Dimensions	
Width	15 mm
Height	141 mm
Weights	
Weight, approx.	50 g