

SIMATIC ET 200 distributed I/O

ET 200SP

Interface modules without CPU

IM 155-6

Overview



- Interface module for linking the ET 200SP to PROFINET or PROFIBUS
- Handles all data exchange with the controller
- BusAdapter (BA) for individual PROFINET connection
- Integrated 2-port switch for line configuration
- Depending on the selected interface module
 - Up to a maximum of 64 I/O modules per station
 - Replacement of I/O modules during operation
- Operation with gaps (non-equipped BaseUnits) possible
- Replacement of an I/O module possible during operation (hot swapping)
- Load group formation without power module

Technical specifications

	6ES7155-6AA00-0BN0 IM 155-6 PN ST with BA 2xRJ45 and server module	6ES7155-6AU00-0BN0 IM 155-6 PN ST with server module	6ES7155-6AU00-0CN0 IM 155-6 PN HF with server module	6ES7155-6BA00-0CN0 IM155-6DP HF with PROFIBUS connector and server module
General information				
Product function				
• I&M data	Yes	Yes	Yes; I&M0 to I&M4	Yes; I&M0 to I&M3
Engineering with				
• STEP 7 TIA Portal can be configured/integrated as of version	V11 SP2 with HSP0024 / -	V12 / V12		
• STEP 7 can be configured/integrated as of version	V5.5 SP3 / -	V5.5 SP3 / -	V5.5 SP3 / -	V5.5 SP3 / -
• PROFIBUS as of GSD version/GSD revision				GSD as of Revision 5
• PROFINET as of GSD version/GSD revision	V2.3 / -	V1.0 / V2.23	V2.3 / -	
Supply voltage				
Type of supply voltage		24 V DC	DC	DC
Rated value (DC)	24 V	24 V	24 V	24 V
Reverse polarity protection	Yes	Yes	Yes	Yes
Mains buffering				
• Mains/voltage failure stored energy time	5 ms	5 ms	5 ms	5 ms
Hardware configuration				
Rack				
• maximum	32	32	64	
Interfaces				
Number of PROFINET interfaces	1	1	1	
Number of PROFIBUS interfaces				1

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BaseUnits

Ordering data	Article No.		Article No.
Type A0 BaseUnits		BU15-P16+A0+12B/T	6ES7193-6BP40-0BA1
BU15-P16+A0+2D	6ES7193-6BP00-0DA0	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	
BU15-P16+A0+2B	6ES7193-6BP00-0BA0	Type F0 BaseUnits	
BU15-P16+A10+2D	6ES7193-6BP20-0DA0	BU20-P8+A4+0B	6ES7193-6BP20-0BF0
BU15-P16+A10+2B	6ES7193-6BP20-0BA0	BU type F0; BaseUnit (dark) with 8 process terminals to the module and an additional 4 internally jumpered AUX terminals (1 A to 4 A); for continuing the load group	
Type B0 BaseUnits		Accessories	
BU20-P12+A4+0B	6ES7193-6BP20-0BB0	Reference identification label	6ES7193-6LF30-0AW0
BU20-P12+A0+4B	6ES7193-6BP20-0BB1	10 sheets of 16 labels	
Type C0 BaseUnits		BU cover	
BU20-P6+A2+4D	6ES7193-6BP20-0DC0	For covering empty slots (gaps); 5 units	
BU20-P12+A0+0B	6ES7193-6BP00-0BD0	• 15 mm wide	6ES7133-6CV15-1AM0
BU15-P16+A0+2D/T	6ES7193-6BP00-0DA1	• 20 mm wide	6ES7133-6CV20-1AM0
BU15-P16+A0+2B/T	6ES7193-6BP00-0BA1	Shield connection	6ES7193-6SC00-1AM0
BU15-P16+A0+12D/T	6ES7193-6BP40-0DA1	5 shield supports and 5 shield terminals	
		Color-coded labels	
		• Color code CC01, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units	6ES7193-6CP01-2MA0
		• Color code CC02, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units	6ES7193-6CP02-2MA0
		• Color code CC03, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units	6ES7193-6CP03-2MA0
		• Color code CC04, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units	6ES7193-6CP04-2MA0
		• Color code CC71, for 10 AUX terminals 1 A to 10 A, for BU type A0, yellow/green, with push-in terminals; 10 units	6ES7193-6CP71-2AA0
		• Color code CC72, for 10 AUX terminals 1 A to 10 A, for BU type A0, red, with push-in terminals; 10 units	6ES7193-6CP72-2AA0
		• Color code CC73, for 10 AUX terminals 1 A to 10 A, for BU type A0, blue, with push-in terminals; 10 units	6ES7193-6CP73-2AA0
		• Color code CC74, for 2x5 additional terminals, 5 x red, 5 x blue, for BU type A1, with push-in terminals; 10 units	6ES7193-6CP74-2AA0
		• Color code CC81, for 4 AUX terminals 1 A to 4 A, yellow/green, for BaseUnit type B0; 10 units	6ES7193-6CP81-2AB0
		• Color code CC82, for 4 AUX terminals 1 A to 4 A, red, for BaseUnit type B0; 10 units	6ES7193-6CP82-2AB0
		• Color code CC83, for 4 AUX terminals 1 A to 4 A, blue, for BaseUnit type B0; 10 units	6ES7193-6CP83-2AB0
		• Color code CC41, module-specific, for 12 push-in terminals; for BaseUnit type B1; 10 units	6ES7193-6CP41-2MB0
		• Color code CC84, for 2 AUX terminals 1 A to 2 A, yellow/green, for BaseUnit type C0; 10 units	6ES7193-6CP84-2AC0
		• Color code CC85, for 2 AUX terminals 1 A to 2 A, red, for BaseUnit type C0; 10 units	6ES7193-6CP85-2AC0
		• Color code CC86, for 2 AUX terminals 1 A to 2 A, blue, for BaseUnit type C0; 10 units	6ES7193-6CP86-2AC0