

I/O systems

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

Interface modules > IM 155-6

Technical specifications (continued)

Article number	6ES7155-6AR00-0AN0 ET 200SP, IM155-6PN BASIC	6ES7155-6AA01-0BN0 ET 200SP, IM155-6PN ST INCL. BA 2XRJ45	6ES7155-6AU00-0BN0 ET 200SP, IM155-6PN ST	6ES7155-6AU00-0CN0 ET 200SP, IM155-6PN HF	6ES7155-6AU00-0DN0 ET 200SP, IM155-6PN HS	6ES7155-6BA00-0CN0 ET 200SP, IM155-6DP HF INCL. DP-CONNECT.
Ambient conditions						
Ambient temperature during operation						
• horizontal installation, min.	0 °C	0 °C	0 °C	0 °C	0 °C	0 °C
• horizontal installation, max.	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C
• vertical installation, min.	0 °C	0 °C	0 °C	0 °C	0 °C	0 °C
• vertical installation, max.	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C
Dimensions						
Width	35 mm	50 mm	50 mm	50 mm	50 mm	50 mm
Height	117 mm	117 mm	117 mm	117 mm	117 mm	117 mm
Depth	74 mm	74 mm	74 mm	74 mm	74 mm	74 mm
Weights						
Weight, approx.	125 g	190 g; IM 155-6 PN BA with 2x RJ45 ports and server module	147 g; without BusAdapter	147 g; without BusAdapter	147 g; without BusAdapter	150 g

Ordering data

Article No.

Article No.

IM155-6PN Basic PROFINET interface module

With server module; two integrated RJ45 sockets

6ES7155-6AR00-0AN0

IM155-6PN Basic PROFINET interface module

With server module

- With attached SIMATIC BA 2xRJ45 BusAdapter
- Without SIMATIC BusAdapter

6ES7155-6AA01-0BN0

6ES7155-6AU00-0BN0

IM155-6PN High Feature PROFINET interface module

With server module,
without SIMATIC BusAdapter

6ES7155-6AU00-0CN0

IM155-6PN High Speed PROFINET interface module

With server module,
without SIMATIC BusAdapter

6ES7155-6AU00-0DN0

IM155-6DP High Feature PROFIBUS interface module

With server module, with PROFIBUS plug with PG socket

6ES7155-6BA00-0CN0

Accessories

SIMATIC BA 2xRJ45 BusAdapter

For PROFINET interface modules from Standard function class or above; max. cable length 50 m

6ES7193-6AR00-0AA0

SIMATIC BA 2xFC BusAdapter

For PROFINET interface modules from Standard function class or above; for increased vibration and EMC loads; max. cable length 50 m

6ES7193-6AF00-0AA0

SIMATIC BA 2xSCRJ BusAdapter

For PROFINET interface modules from High Feature function class or above; fiber-optic cable connection for POF or PCF; for increased vibration and EMC load capacity; max. cable length 50 m (POF) or 100 m (PCF)

6ES7193-6AP00-0AA0

SIMATIC BA SCRJ/RJ45 BusAdapter

For PROFINET interface modules from High Feature function class or above; with media converter FOC-Cu; for increased vibration and EMC loads; max. cable length 50 m (POF, copper) or 100 m (PCF)

6ES7193-6AP20-0AA0

SIMATIC BA SCRJ/FC BusAdapter

For PROFINET interface modules from High Feature function class or above; with media converter FOC-Cu; for increased vibration and EMC loads; max. cable length 50 m (POF, copper) or 100 m (PCF)

6ES7193-6AP40-0AA0

SIMATIC BA 2XLC BusAdapter

For PROFINET interface modules from High Feature function class or above; with LC fiber-optic connection; for increased vibration and EMC load capacity; max. cable length 2 km

6ES7193-6AG00-0AA0

SIMATIC BA LC/RJ45 BusAdapter

For PROFINET interface modules from High Feature function class or above; with media converter FOC-Cu; for increased vibration and EMC loads; max. cable length 2 km (glass) or 50 m (copper)

6ES7193-6AG20-0AA0

SIMATIC BA LC/FC BusAdapter

For PROFINET interface modules from High Feature function class or above; with media converter FOC-Cu; for increased vibration and EMC loads; max. cable length 2 km (glass) or 50 m (copper)

6ES7193-6AG40-0AA0

Station expansion with IP67 I/O system ET 200AL

ET 200SP
BA-Send 1 x FC BusAdapter

6ES7193-6AS00-0AA0

BaseUnit BU-Send

6ES7193-6BN00-0NE0

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	6ES7193-6BP20-0DA0 6ES7193-6BP20-2DA0	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	6ES7193-6BP20-0BB0 6ES7193-6BP20-2BB0
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	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	6ES7193-6BP20-0BA0 6ES7193-6BP20-2BA0	BU20-P12+A0+4B BU type B1; BaseUnit (dark) with 12 process terminals to the module; for continuing the load group; 1 unit	6ES7193-6BP20-0BB1
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	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	6ES7193-6BP20-0DC0
		Type D0 BaseUnits	
		BU20-P12+A0+0B BU type D0; BaseUnit (dark) with 12 push-in terminals, without AUX terminals, bridged to the left	6ES7193-6BP00-0BD0

I/O systems

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

BaseUnits

Ordering data	Article No.		Article No.
Type A1 BaseUnits (with temperature detection)		Accessories	
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	Equipment labeling plate 10 sheets of 16 labels	6ES7193-6LF30-0AW0
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	BU cover For covering empty slots (gaps); 5 units • 15 mm wide • 20 mm wide	6ES7193-6CV15-1AM0 6ES7193-6CV20-1AM0
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	Shield connection 5 shield supports and 5 shield terminals	6ES7193-6SC00-1AM0
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	Color-coded labels • Color code CC01, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units • Color code CC01, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 50 units • Color code CC02, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units • Color code CC02, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 50 units • Color code CC03, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units • Color code CC04, module-specific, for 16 push-in terminals; for BaseUnit type A0, A1; 10 units • Color code CC71, for 10 AUX terminals 1 A to 10 A, for BU type A0, yellow/green, with push-in terminals; 10 units • Color code CC72, for 10 AUX terminals 1 A to 10 A, for BU type A0, red, with push-in terminals; 10 units • Color code CC73, for 10 AUX terminals 1 A to 10 A, for BU type A0, blue, with push-in terminals; 10 units • Color code CC74, for 2x5 additional terminals, 5 x red, 5 x blue, for BU type A1 with push-in terminals; 10 units • Color code CC81, for 4 AUX terminals 1 A to 4 A, yellow/green, for BaseUnit type B0; 10 units • Color code CC82, for 4 AUX terminals 1 A to 4 A, red, for BaseUnit type B0; 10 units • Color code CC83, for 4 AUX terminals 1 A to 4 A, blue, for BaseUnit type B0; 10 units • Color code CC41, module-specific, for 12 push-in terminals; for BaseUnit type B1; 10 units • Color code CC84, for 2 AUX terminals 1 A to 2 A, yellow/green, for BaseUnit type C0; 10 units • Color code CC85, for 2 AUX terminals 1 A to 2 A, red, for BaseUnit type C0; 10 units • Color code CC86, for 2 AUX terminals 1 A to 2 A, blue, for BaseUnit type C0; 10 units	6ES7193-6CP01-2MA0 6ES7193-6CP01-4MA0 6ES7193-6CP02-2MA0 6ES7193-6CP02-4MA0 6ES7193-6CP03-2MA0 6ES7193-6CP04-2MA0 6ES7193-6CP71-2AA0 6ES7193-6CP72-2AA0 6ES7193-6CP73-2AA0 6ES7193-6CP74-2AA0 6ES7193-6CP81-2AB0 6ES7193-6CP82-2AB0 6ES7193-6CP83-2AB0 6ES7193-6CP41-2MB0 6ES7193-6CP84-2AC0 6ES7193-6CP85-2AC0 6ES7193-6CP86-2AC0
Type F0 BaseUnits			
BU20-P8+A4+0B 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	6ES7193-6BP20-0BF0		
BaseUnits type U0			
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) • 1 unit • 10 units	6ES7193-6BP00-0DU0 6ES7193-6BP00-2DU0		
BU20-P16+A0+2B BU type U0; BaseUnit (dark) with 16 process terminals to the module; for continuing the load group • 1 unit • 10 units	6ES7193-6BP00-0BU0 6ES7193-6BP00-2BU0		
Station expansion with IP67 I/O system ET 200AL			
BaseUnit BU-Send	6ES7193-6BN00-0NE0		
ET 200SP BusAdapter BA-Send 1 x FC	6ES7193-6AS00-0AA0		