AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7155-6BU00-0CN0

High Feature PROFIBUS Interface



CONNECTION	STATION	RATE	REFERENCE
PROFIBUS DP slave / RS 485	**Up to 32 I/O modules**	**Up to 12 Mbit/s**	**2019 / V3.1 scope**

Siemens 6ES7155-6BU00-0CN0 is the IM 155-6 DP High Feature interface for SIMATIC ET 200SP. It connects a distributed station to PROFIBUS DP and supports up to 32 I/O modules, with Multi Hot Swap identified for this exact interface in Siemens' released-module documentation.

01 VERIFIED TECHNICAL INFORMATION

Fieldbus connection	1 PROFIBUS DP slave interface, RS 485
Maximum transmission rate	12 Mbit/s
Station I/O capacity	Up to 32 I/O modules
Maximum address space per I/O module	32 bytes each for input and output
Maximum station address space	244 bytes each for input and output
Identification and maintenance data	I&M0 to I&M3
Module swapping during operation	Multi Hot Swap; applicable system procedure required

Manufacturer evidence: IM 155-6 DP HF bundle data sheet - exact 6BU00 interface identified; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

TIA Portal engineering reference	STEP 7 TIA Portal V13 SP1, as documented for the V3.1 reference
STEP 7 engineering reference	STEP 7 V5.5 SP4 and higher, as documented for the V3.1 reference
PROFIBUS GSD revisions	One GSD file each for revision 3 and revision 5 or higher
Configuration control	Supported via data set
PROFIBUS services	DPV0 and DPV1; SYNC and FREEZE supported
Isochronous operation	Not supported in the documented reference
Diagnostic indicators	RUN, ERROR, MAINT, PWR and DP LEDs

03 SOURCE AND CONFIGURATION CHECKS

The interface provides communication, identification and diagnostic functions for station integration. Siemens' 2019 bundle data sheet explicitly identifies this component and documents its PROFIBUS services and engineering options. The standalone interface is distinct from the complete bundle, so included accessories and delivered firmware require separate confirmation.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens manufacturer reference (scope stated in source)

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