



ACCESS™ Communications

All SB Circuit Breaker trip units feature two levels of communication: Zone Selective Interlocking and ACCESS™ System Open-protocol communications. The SB-EC Trip Unit is fully equipped for direct integration into ACCESS™ or compatible communication systems.

A multiplex/Translator (MTA) and Expansion Plug area required for the TYPE "TL" trip unit when full Access™ communications is specified. The MTA also has Zone Selective Interlocking capability. Refer to Bulletin IPIM-2211A and Instruction Sheet Pc. No. 411152A00 for additional information.

Siemens WinPM™ V4.0 supervisory software delivers a powerful energy management system providing sophisticated monitoring capability to a host computer and other components in the electrical distribution system at an affordable cost. It also provides process control, including peak demand, trend analysis, waveform analysis, and harmonic calculations and displays. These functions help pinpoint energy consumption, power quality issues, and the energy cost of any process. Outages and potential outages can be quickly diagnosed and plans can be generated for expansion and preventative plant maintenance. Refer to Bulletins IPIM-2211A for additional information.

Communications is accomplished via EIA-485 twisted pair wire or modem, providing communications to a remote site and allowing access to multiple plants. WinPM™ V4.0 utilizes a Windows DDE (dynamic data exchange) server that allows data exchange to other Windows software such as spreadsheets and word-processors.

Protocol Converters are available from the Siemens ACCESS group for connection to a variety of open and proprietary automation protocols as part of the ACCESS™ product line, including Profibus DP, LonWorks, the Siemens S7 PLC, and many other third party PLCs and associated networks.

The SB-EC Trip Unit's EIA-232 communications port provides additional PC communications for available trip unit data displays and trip unit configuration via Siemens SBin™ software.

Multiplexor Translator

Breaker Type	Features	Cat No	List Price [®]
SJD, SLD SMD, SND SPD, STD SBA, SBS, SBH	Zone Interlocking Only	MTZ	
	Full Communications with Zone Interlocking	MTA	

The Multiplexor Translator MTZ is an interface device required in zone selective interlock schemes. The MTA combines the zone selective interlocking function with interface to ACCESS® Systems.

Cables & Connectors

Ribbon Cables

Breaker Type	Length	Cat No	List Price [®]
SJD, SLD SMD, SND SPD, STD SBA, SBS, SBH	6"	EPC06	
	8"	EPC08	
	12"	EPC12	
	18"	EPC18	
	24"	EPC24	

Telephone Cables

Breaker Type	Length	Cat No	List Price [®]
SB STD	8"	MTCSB08	
	15"	MTCSB15	
	25"	MTCSB25	
	50"	MTCSB50	
SJD, SLD SMD, SND, SPD, SBA, SBS, SBH	8"	MTC08	
	15"	MTC15	
	25"	MTC25	
	50"	MTC50	

The Expansion Plug EP is a required isolating device to connect the breaker with the Multiplexor Translator. It is connected to the trip unit on the breaker with a "Ribbon Cable", EPC08 e.g., and the Multiplexor Translator with the "Telephone Cable" (an RJ-11 cable) MTCSB08 e.g.

Expansion Plug Selection Guide

Breaker Type	Frame Size	Mounting Type	Cat. No	List Price [®]
SB ICCB and STD	1200A, 2000A	Fixed	EPSB4FMK [®]	
		Draw out	EPSB4DMK [®]	
SB ICCB and STD	3200A, 5000A	Fixed	EPSB4FMK [®]	
		Drawout	EPSB4DMK [®]	
Sensitrip	ALL	ALL	EP	

Component Selection Guide [®]

Component Type	Trip Units and Application				
	ZSI (only) with Sensitrip MCCB'S	Access and/or ZSI with Sensitrip MCCB's	ZSI (only) with all SB-EC Trip Units ACCESS	ACCESS and/or with SB-TL Trip Units	ACCESS with SB-EC Trip Units
EP	✓	✓			
EPSB			✓	✓	
MTZ [®]	✓		✓		
MTA [®]		✓		✓	
EPC Cable	✓	✓			
MTC Cable [®]	✓	✓			
MTCSB Cable			✓	✓	

[®] Factory wired when ACCESS communications or ZSI is ordered for the SB breaker from the factory.
[®] When ordered with circuit breaker from the factory.

[®] One MTA or MTZ per eight trip units when required.
[®] Always required when multiple MT's are used. One additional cable per each additional MT.

[®] Consult sales office for prices.