SIMATIC ET 200L-SC TB 16IM-SC

Product Data Sheet

6ES7120-0BH50-0AA0

Spring-terminal wiring base

TERMINAL CONNECTION	ELECTRONICS POSITIONS	BASIC FIELD CONNECTION	EXTENDED FIELD CONNECTION
Spring terminals	**8 SC module slots**	**2-wire**	**3-wire or 4-wire with supplementary terminals**

Siemens 6ES7120-0BH50-0AA0 is the spring-terminal TB 16IM-SC wiring base for SIMATIC ET 200L-SC IM-SC. It provides eight positions for supported SC electronics and retains field wiring independently of the plug-in electronic modules. The base includes separate load-voltage distribution groups.

01 TECHNICAL DATA

Terminal connection	Spring terminals
Electronics positions	8 SC module slots
Basic field connection	2-wire
Extended field connection	3-wire or 4-wire with supplementary terminals
Expansion provision	TB 16SC adds 8 SC modules
Load supply capacity	2 x 8 A maximum
Slot-to-slot isolation test	4000 V DC
Module insertion endurance	8 insertions per slot maximum
Load supply grouping	1L+ for A-D; 2L+/3L+ for E-H
Supply loop-through	3L+/3M loop 2L+/2M

Siemens ET 200L/ET 200L-SC IM-SC Manual EWA 4NEB 780 6009-02c; TB 16IM-SC specification, wiring and order table.

02 ADDITIONAL PRODUCT DATA

Prewiring	Supported before electronics insertion
Assignment marking	Insertable labeling strip

03 PRODUCT FUNCTION

The basic two-wire arrangement can be extended to three- or four-wire connections using supplementary terminals. A TB 16SC expansion adds eight further SC positions. The documented load-supply capacity is two groups of up to 8 A, and the slot-to-slot isolation test is 4000 V DC.

04 SYSTEM COMPATIBILITY

Allocate the two load-voltage groups and supplementary terminals before wiring. The documented 2 x 8 A distribution limit and single-phase restriction remain relevant when expanding with TB 16SC.

05 REFERENCE

Siemens ET 200L/ET 200L-SC IM-SC Manual EWA 4NEB 780 6009-02c; TB 16IM-SC specification, wiring and order table.

AMIKON PRODUCT SUPPORT

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