AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7460-1BA01-0AB0

Siemens 6ES7460-1BA01-0AB0 is the S7-400 IM 460-1 send interface for a local 1.5 m link with 5 V supply transfer and without communication-bus transfer



MODULE	LINES	RANGE	5 V LINK
IM 460-1	**2**	**1.5 m**	**5 A per line**

The Siemens 6ES7460-1BA01-0AB0 IM 460-1 is the central-rack send member of the IM 460-1/IM 461-1 local interface pair. It provides two outgoing lines, each serving one expansion rack over a maximum total line length of 1.5 m. The connection transfers the P bus and a 5 V supply limited to 5 A per line.

01 VERIFIED TECHNICAL INFORMATION

Interface role	Send interface in central rack
Corresponding receive interface	IM 461-1, 6ES7461-1BA01-0AA0
Outgoing lines	Two: X1 and X2
Maximum total line length	1.5 m
Expansion racks per line	One
Transferred expansion supply	5 V, maximum 5 A per line
24 V transfer	Not provided

Manufacturer evidence: S7-400 Automation System Module Data; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Communication-bus transfer	No; P bus is transferred
Backup supply to expansion modules	Not provided
Interconnection cable family	6ES7468-3...
Receive-side terminator	IM 461-1 does not require one
Powered send-interface limit per central rack	Maximum two send interfaces with 5 V transfer
Send-module bus current	Typical 50 mA; maximum 85 mA from 5 V DC
Send-module power loss	Typical 250 mW; maximum 425 mW
Expansion-rack supply restriction	No power supply module in the rack connected via IM 461-1

03 SOURCE AND CONFIGURATION CHECKS

This powered-link arrangement does not transfer the communication bus or provide 24 V to the expansion rack, and the connected modules are not backed up. Siemens prohibits a separate power supply module in an expansion rack connected through IM 461-1 and prescribes ungrounded operation for that rack. These conditions distinguish it from an IM 460-0 link.

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 original documentation and product reference

Siemens 11/2006; H06 source pp. 2,46-48,95,159-160

AMIKON PRODUCT SUPPORT

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