SIMATIC S7-400 IM 460-1

Product Data Sheet

6ES7460-1BA01-0AB0

Central rack transmitter interface

BACKPLANE CURRENT AT 5 V	MAXIMUM POWER LOSS	MAXIMUM LINKAGE DISTANCE	TRANSFERRED DATA BUS
85 mA maximum	**425 mW**	**1.5 m**	**P-bus**

Siemens 6ES7460-1BA01-0AB0 is the IM 460-1 transmitter interface for centralized SIMATIC S7-400 rack expansion. It forwards the peripheral bus and 5 V power to compatible expansion racks over connections up to 1.5 m, without K-bus transfer.

01 TECHNICAL DATA

Backplane current at 5 V	85 mA maximum
Maximum power loss	425 mW
Maximum linkage distance	1.5 m
Transferred data bus	P-bus
K-bus forwarding	Not supported
Rack power forwarding	5 V supply to expansion racks
Required receiver	IM 461-1
Expansion rack limit	Two maximum; one per interface
Connection cable family	468-3
Documented cable lengths	0.75 m and 1.5 m

02 ADDITIONAL PRODUCT DATA

The transmitter works exclusively with IM 461-1 receiver interfaces and connects at most two expansion racks, one per interface. Its maximum 5 V backplane current is 85 mA and maximum power loss is 425 mW; the documented 468-3 connection cables are supplied in 0.75 m and 1.5 m lengths.

03 PRODUCT FUNCTION

Place IM 460-1 in the S7-400 central rack and pair each used interface with the documented IM 461-1 receiver in an expansion rack. The arrangement transfers P-bus and 5 V power but does not carry K-bus communication.

04 SYSTEM COMPATIBILITY

Use the supported 468-3 cable and keep the first-to-last interface distance within 1.5 m. Allocate no more than two expansion racks and one receiver rack per interface; calculate the forwarded power against the rack-supply budget.

05 REFERENCE

Siemens 6ES7460-1BA01-0AB0 official product data sheet

AMIKON PRODUCT SUPPORT

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