SIMATIC S7-400

Product Data Sheet

6ES7461-0AA01-0AA0

IM 461-0 Central Expansion Receiver

INTERFACE ROLE	BACKPLANE SUPPLY	MAXIMUM BACKPLANE CURRENT	MAXIMUM FIRST-TO-LAST INTERFACE DISTANCE
Central expansion receiver	**5 V DC**	**290 mA**	**5 m**

Siemens 6ES7461-0AA01-0AA0 is the IM 461-0 receiver interface for central expansion of an S7-400 rack arrangement. It provides the K-bus connection and is designed for an interface distance of up to 5 m from the first to the last interface module.

01 TECHNICAL DATA

Interface role	Central expansion receiver
Backplane supply	5 V DC
Maximum backplane current	290 mA
Maximum first-to-last interface distance	5 m
K-bus connection	Supported
Power-supply transmission	Not provided

02 ADDITIONAL PRODUCT DATA

This receiver variant does not transmit the power supply through the expansion connection. It draws up to 290 mA from the 5 V DC backplane. The receiving rack therefore needs the appropriate local supply arrangement, separately from the data connection between interface modules.

03 PRODUCT FUNCTION

Use IM 461-0 as the receiving interface in a compatible central S7-400 expansion configuration. Check the complete transmitter, receiver and cable arrangement against the S7-400 project rather than selecting an interface solely by its rack fit.

04 SYSTEM COMPATIBILITY

Keep the distance from the first to the last interface within the specified 5 m limit. Include the receiver maximum 290 mA demand in the 5 V backplane calculation and provide the receiving rack supply required by the no-power-transmission variant.

05 REFERENCE

Siemens 6ES7461-0AA01-0AA0 official product data; applicable specification pages.

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