SIRIUS 3SK1

Product Data Sheet

3SK1211-2BB40

Safety relay output expansion

RATED CONTROL SUPPLY	PERMITTED SUPPLY FACTOR	ENABLING CONTACTS	SIGNALING CONTACTS
24 V DC	**0.8 to 1.2**	**4 NO**	**1 NC**

Siemens 3SK1211-2BB40 is a SIRIUS 3SK1 output expansion unit with four normally open enabling contacts and one normally closed signaling contact. Its 24 V DC control supply and push-in terminals support the corresponding modular safety-relay arrangement.

01 TECHNICAL DATA

Rated control supply	24 V DC
Permitted supply factor	0.8 to 1.2
Enabling contacts	4 NO
Signaling contacts	1 NC
Connection method	Push-in terminals
Maximum power loss	2.5 W
Rated insulation voltage	300 V
Impulse withstand voltage	4 kV
Conventional thermal current	5 A
AC-15 current at 230 V	5 A

02 ADDITIONAL PRODUCT DATA

DC-13 current at 24 V	5 A
Maximum total contact current	12 A
Maximum switching frequency	360 operations/hour
Mechanical service life	10 million operations
Degree of protection	IP20

03 PRODUCT FUNCTION

The contact ratings include 5 A AC-15 at 230 V and 5 A DC-13 at 24 V, with a 12 A maximum total contact current. Safety performance depends on the complete approved circuit, while the signaling contact has a different purpose from the enabling contacts.

04 SYSTEM COMPATIBILITY

Supply the control circuit at 24 V DC within the permitted 0.8–1.2 voltage factor. Choose the load utilization category using the AC-15 or DC-13 ratings, and keep the combined contact loading within the 12 A total limit.

05 REFERENCE

Siemens 3SK1211-2BB40 technical data and applicable product instructions

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