

Better safe than sorry: SITOP modular Redundancy module



Advantages at a glance

- Robust metal housing
- Easy attachment to standard DIN mounting rail
- Integrated diodes decouple two Basic units from 5A to 20A, or one Basic unit with 40A rated current
- Green status LED indicates „input 1 and input 2 o.k.“
- Potential-free relay contact (changeover contact) for „input 1 and input 2 o.k.“
- LED and relay threshold adjustable from 20 to 25V

Power supplies • March 2004

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POWER

When your application cannot under any circumstance tolerate a 24 V power failure, the Redundancy module provides additional security. Using diodes, the add-on module disconnects two parallel basic power devices, protecting against worst-case scenarios. Should one defective power supply affect another working power pack, the Redundancy module guards against total loss of power. Failure of a single defective power supply no longer compromises safe and uninterrupted supply of 24 Volt power to your application.

SIEMENS



Technical Data

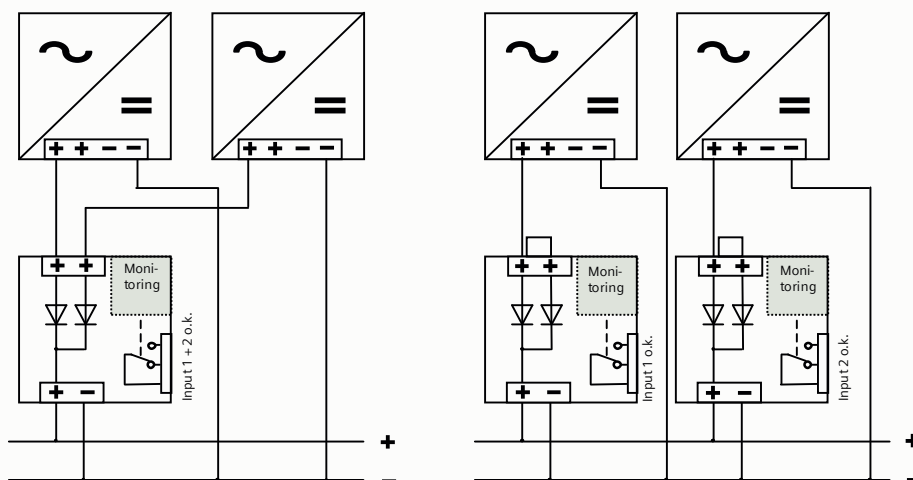
SITOP modular Redundancy module

Input/ Output	
Input voltage rated value $U_{in\ rated}$	DC 24 V
Input voltage range	DC 24 to 28.8 V
Output voltage rated value $U_{out\ rated}$	U_{in} – approx. 0.5 V
Output current rated value $I_{out\ rated}$	20 A (maximum summation current 40 A)
Signalling	
Operation indicator	LED green for „input 1 and input 2 o.k.“
Signalling contact	Potential-free relay contact (change-over contact, contact rating 6 A/240 V _{AC}) for signaling „input 1 and input 2 o.k.“, threshold adjustable from 20 to 25V
General	
Potential separation	Yes, SELV acc. to EN 60950 (relay contact)
Protective class	Class I (IEC 536; VDE 0106 T1)
CE certification	Yes
UL/cUL (CSA) approval	cULus-listed (UL 508, CSA 22.2) pending
Degree of protection	IP20 (EN 60 529; VDE 0470 T1)
Emitted interference	EN 50081-1
Noise immunity	EN 61000-6-2
Ambient temperature range	0 to +60°C with air circulation (convection cooling)
Transport and Storage temperature range	-25 to +85°C
Humidity rating	Climate category 3K3 acc. to EN 60721
Connections	Input, output and ground: one screw-type each for 0.33 to 10 mm ² , single-core/finely stranded. Relay contact: one screw-type each for 0.5 to 2.5 mm ² , single-core/finely stranded
Dimensions (W x H x D) in mm	70 x 125 x 125
Weight approx.	1.0 kg
Mounting	Standard DIN EN 50022-35 x15/7.5 mounting rail
Order Number	6EP1 961-3BA20

Redundant operation of two equal SITOP modular Basic units:

6EP1333-3BA00, 1-/2-ph. 24V/ 5A
 6EP1334-3BA00, 1-/2-ph. 24V/ 10A
 6EP1336-3BA00, 1-phase 24V/ 20A
 6EP1436-3BA00, 3-phase 24V/ 20A

6EP1337-3BA00, 1-phase 24V/ 40A
 6EP1437-3BA00, 3-phase 24V/ 40A



The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.