DATA SHEET

SS832
Compact Product Suite hardware selector

The Voting Units SS822Z, SS823 and SS832 have been specifically designed to be employed as a control unit within a redundant power supply configuration. The output connections from two Power Supply Units are connected to the Voting Unit.

The Voting Unit separates the redundant Power Supply Units, supervises the voltage supplied, and generates supervision signals to be connected to the power consumer.

Green LED's, mounted on the front panel of the voting unit, provide a visual indication that the correct output voltage is being delivered. Simultaneously with the green LED illuminating, a voltage free contact closes the path to the corresponding "OK connector". Voting Unit trip levels, are factory preset.

Features and benefits

- Simple DIN-rail mounting
- Class I Equipment, (when connected to Protective Earth, (PE))
- Over-voltage Category III for connection to primary main TN network
- Protective separation of secondary circuit from primary circuit
- Accepted for SELV and PELV applications
- The output of the units is protected against over current (current limit) and over voltage (OVP)

General info	
Article number	3BSC610068R1
Type	Voter
Rated output current	10 A (20 A in parallell operation)
Rated output power	-
Rated output voltage	-
Rated input power	240 W (480 W in parallell operation)
Mains/input voltage, nominal	2x24 V d.c. (1x24 V d.c. in parallell operation)
Applications	-
Efficiency	-

Detailed data	
Mains voltage variation allowed	-
Mains frequency	60 V d.c.
Load sharing	Two in parallell
Power Factor (at rated output power)	-
Heat dissipation	9 W (18 W)
Output voltage regulation at max. current	0.85 V typ.
Ripple (peak to peak)	-
Secondary voltage holdup time at mains blackout	-
Maximum output current (min)	25 A (Overload)
Maximum ambient temperature	60 °C
Primary: Recommended external fuse	-
Secondary: Short circuit	-
Output over voltage protection	-

Environment and certification	
CE mark	Yes
Electrical safety	IEC 61131-2, UL 508, EN 50178
Marine certification	ABS, BV, DNV-GL, LR
Protection rating	IP20 according to IEC 60529
Corrosive atmosphere ISA-S71.04	G2
Pollution degree	Degree 2, IEC 60664-1
Mechanical operating conditions	IEC 61131-2
EMC	EN 61000-6-4 and EN 61000-6-2
Overvoltage Categories	-
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Width	32 mm (1.26")
Depth	117 mm (4.61")
Height	125 mm (4.9")
Weight (lbs.)	350 g (0.77 lbs.)
Mounting spacing W mm	15 mm (0.59")
Mounting spacing H mm	25 mm (1")

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