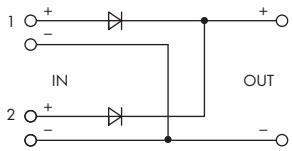
787-885

EPSITRON® - Redundancy Module



- Redundancy module with 2 inputs for decoupling 2 power supplies
- For redundant or uninterruptible power supply
- With potential-free contact for input voltage monitoring

Description	Item No.	Pack. Unit
Redundancy Module	**787-885**	1
24 VDC, 2 x 20 A / 1 x 40 A		

Technical Data

Input:	
Nominal input voltage Vi nom	2 x 24 V DC
Input voltage range	18 V ... 30 V DC
Input current Ii	2 x 20 A, max. 1 x 40 A
Output:	
Nominal output voltage Vo nom	24 V DC
Output voltage range	Ve - 1 V DC
Output current Io	20 A, max. 40 A
Operational indication	LED green (Vo), 2 x LED yellow (Vi)
Signaling	1 x floating relay contact 30 V DC, 1 A
Efficiency / power losses:	
Efficiency	97 % typ.
Power loss P_V	1.5 W open circuit
	14 W nominal load (20 A) /
	26 W nominal load (40 A)
Fuse protection:	
Internal fuse	no

Technical Data

Environmental requirements:	
Ambient operating temperature	-10 °C ... +60°C
Storage temperature	-25 °C ... +85 °C
Rel. humidity	30 % ... 85 % (no condensation)
Safety and protection:	
Test voltage	500 V DC (terminals to enclosure)
Protection class	III
Reverse voltage protection	yes
Degree of protection	IP20 (acc. to EN 60529)
Feedback voltage	max. 33 VDC
Parallel operation	yes
Connection and type of mounting:	
Wire connection	Input/Output: WAGO 831 Series
	Relay: WAGO 231 Series
Cross sections	Input/Output:
	0.5 mm² ... 10 mm² / AWG 20 ... 8
	Relay:
	0.08 mm² ... 2.5 mm² / AWG 28 ... 12
Strip lengths	Input/Output: 13 ... 15 mm / 0.55 in
	Relay: 8 ... 9 mm / 0.33 in
Type of mounting	DIN-rail mounting (EN 60715) in
	2 positions
Dimensions and weight:	
Dimensions (mm) W x H x L	40 x 163 x 181
	Height from upper-edge of DIN 35 rail,
	T=127mm without pluggable female
Weight	870 g
Standards and approvals:	
Standards/Specifications	EN 60950, UL 60950, UL 508,
	EN 61000-6-2, EN 61000-6-3