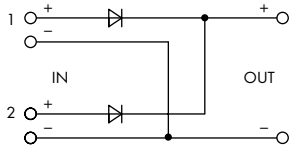
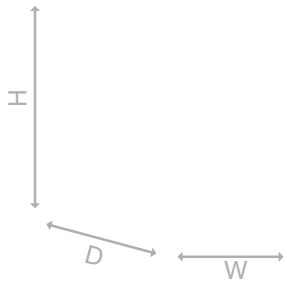
Redundancy Module; 48 VDC / 40 A
787 Series



Redundancy Module; Input voltage: 2 x 48 VDC; Input current: 2 x 20 A; Output voltage: 48 VDC; Output current: 40 A; communication-capable

Item No.	Pack. Unit
787-886	1



Features:
- Redundancy module with two inputs for decoupling two power supplies
- For redundant and fail-safe power supply
- With LED and potential-free contact for input voltage monitoring on site and remotely

Input	
Nominal input voltage $U_{i\,nom}$	2 x 48 VDC
Input voltage range	2 x 36 … 54 VDC
Nominal mains frequency range	0 Hz
Input current I_i	≤ 20 A (per path)
Output	
Nominal output voltage $U_{o\,nom}$	48 VDC
Output voltage range	36 … 54 VDC (U_i – Voltage drop)
Voltage drop	≤ 1 V (input/output)
Nominal output current $I_{o\,nom}$	40 A
Output power (max.)	2160 W
Nominal output power	1920 W
Signaling and Communication	
Signaling	1 x OUT LED (green); 1 x IN1 LED (yellow); 1 x IN2 LED (yellow); 1 x isolated relay contact (max. 30 VDC, 1 A)
Efficiency/Power Losses	
Power loss P_l	≤ 1.7 W (48 VDC; no load); ≤ 20 W (48 VDC; 20 A); ≤ 40 W (48 VDC; 40 A)
Efficiency	≥ 96 %
Fuse Protection	
Internal fuse	No
Safety and Protection/Environmental Requirements	
Isolation voltage (connectors – housing)	500 VDC
Protection class/protection type	III / IP20 (per EN 60529)
Reverse voltage protection	Yes
Parallel operation/series operation	Yes/no
MTBF	> 500,000 h (per IEC 61709)
Surrounding air temperature (operation)	–10 … +60 °C
Relative humidity	5 … 96 % (no condensation permissible)
Pollution degree	2
Connection Data	
Connection technology	CAGE CLAMP®; Push-in CAGE CLAMP®
Input/output (solid/fine-stranded/AWG)	0.5 … 10 mm² / 0.5 … 10 mm² / 20 … 8 AWG
Relay (solid/fine-stranded/AWG)	0.08 … 2.5 mm² / 0.08 … 2.5 mm² / 28 … 12 AWG
Geometric Data/Mechanical Data/Material Data	
Width x height x depth (mm)	40 x 181 x 163; height including connector; depth from upper-edge of DIN-rail
Mounting type	DIN-35 rail (EN 60715)
Weight	860 g
Standards and Specifications	
Approvals/standards/specifications	CE; EN 60950; UL 60950*; UL 508*; EN 61000-6-2; EN 61000-6-3 (*pending)