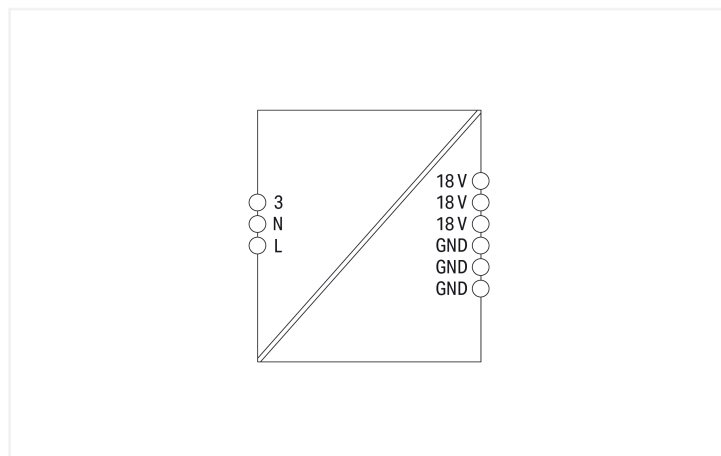


Data Sheet | Item Number: 787-2857

Power supply; Compact; 1-phase; 18 VDC output voltage; 1.25 A output current;
DC-OK LED

<https://www.wago.com/787-2857>



Features:

- This 787-2857 Switched-Mode Power Supply is specially designed to supply the 753-647 DALI Multi-Master Module.
- Several DALI Multi-Master Modules can be supplied in parallel.
- Stepped profile for installation in standard distribution boards
- Connection technology with Push-in CAGE-CLAMP®
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN/UL 61010-1 or EU/UL 61010-2-201



Technical data

Input		Output	
Phases	1	Nominal output voltage $U_{o\,nom}$	18 VDC (SELV)
Nominal input voltage $U_{i\,nom}$	1 x 100 ... 240 VAC	Nominal output current $I_{o\,nom}$	1.25 A (18 VDC)
Input voltage range	1 x 100 ... 264 VAC	Nominal output power	22 W
Nominal mains frequency range	50 ... 60 Hz	Deviation	≤ 2 %
Input current I_i	≤ 0.4 A (100 VAC); ≤ 0.2 A (240 VAC)	Residual ripple	≤ 60 mV (peak-to-peak)
Inrush current	NTC	Overload behavior	Hiccup
Mains failure hold-up time	≥ 95 ms (230 VAC)		

Signaling and Communication

Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED (U_o)

Efficiency/Power Losses

Power loss P_i	≤ 0.5 W (230 VAC; no load); ≤ 4 W (230 VAC; nominal load)
Power loss (max.) $P_{i\,(max.)}$	5 W (110 VAC / 24 VDC; 1.35 A)
Efficiency (typ.)	88 %

Circuit Protection

Internal fuse	T 1.25 A / 250 VAC
Backup fuse (recommended)	16 A (for USA/Canada: 15 A)

Safety and protection

Isolation voltage (pri.-sec., AC)	3920 V
Isolation voltage (pri.-PE, AC)	2470 V
Isolation voltage (sec.-PE)	0.5 VDC
Protection class	I
Protection type	IP20; per EN 60529
Overvoltage category	III (≤ 2000 m a.s.l.); II (> 2000 m a.s.l.)
Pollution degree	2
Overvoltage protection; secondary	≤ 32 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 2,500,000 h (per EN/IEC 61709 at +40 °C)

Connection Data

Cable length (max.)	30 m	Connection 1	
		Connection type	Input
		Connection technology	Push-in CAGE CLAMP®
		WAGO connector	WAGO 804 Series
		Solid conductor	0.25 ... 2.5 mm² / 20 ... 12 AWG
		Fine-stranded conductor	0.25 ... 2.5 mm² / 22 ... 12 AWG
		Strip length	10 ... 11 mm / 0.39 ... 0.43 inches



Connection 2	
Connection type	Output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 805 Series
Solid conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data	
Width	36 mm / 1.417 inches
Height	90 mm / 3.543 inches
Depth	62 mm / 2.441 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Flammability class per UL94	V0
Fire load	0 MJ
Weight	120 g

Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C (Nominal mounting position; -25 ... +55 °C (in any mounting position))
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-1.7 %/K (> 55 °C)
Operating altitude (max.)	5000 m

Standards and Specifications	
Conformity marking	CE
Standards/specifications	EN 61204-3 EN 61010-1 EN 61010-2-201 cULus 61010-1 cULus 61010-2-201 DNV

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966241730
Customs tariff number	85044083900



Product Classification	
UNSPSC	39121004
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals		Declarations of conformity and manufacturer's declarations	
 			
Approval	Standard	Certificate Name	
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078	
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081	
UL Underwriters Laboratories Inc.	UL 61010-2-201	UL-US-2229325-0_UL-CA-2228751-0	

Approval	Standard	Certificate Name	
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	

Approvals for marine applications

		
Approval	Standard	Certificate Name
DNV DNV GL SE	DNV-CG-0339, Aug. 2021	TAA00001ZJ

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-2857	

Documentation

Bid Text				Instruction Leaflet			
787-2857	11.05.2022	xml 6.99 KB		Stromversorgung; Compact; 1-phasis;	V 1.0.0 13.10.2022	pdf 2157.90 KB	
787-2857	11.05.2022	docx 33.09 KB					



CAD/CAE-Data

CAD data	
2D/3D Models 787-2857	