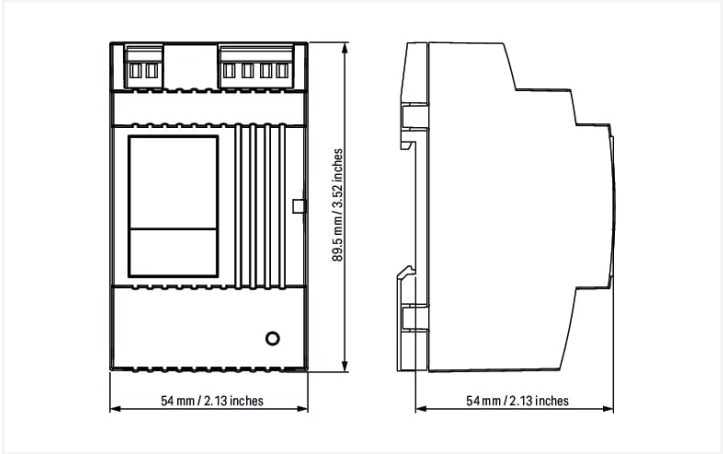
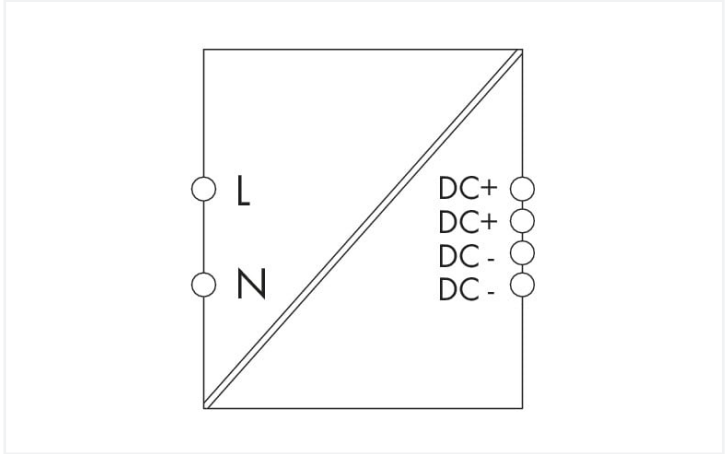




WAGO's 787-1007 Switched-Mode Power Supply is specially designed to supply the 753-647 DALI Multi-Master Module. This unit features a 54 mm wide DIN-rail-mount enclosure with an input voltage range of 85 to 264 VAC (120 ... 300 VDC). The power supply provides an output voltage of 18 VDC and a maximum output current of 1100 mA – enough to supply up to five parallel modules. The maximum current per DALI line is limited to 200 mA in each DALI Multi-Master Module.

- Supplies up to five 753-647 DALI Multi-Master Modules*
- Suitable for protection class II equipment
- Natural convection cooling when horizontally mounted
- Stepped profile, ideal for distribution boards/boxes

Technical data			
Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	DC 18 V (SELV)
Nominal input voltage $U_{i\ nom}$	1 x AC 100 ... 240 V	Default setting	DC 18 V
Input voltage range	1 x AC 85 ... 264 V; DC 120 ... 300 V	Nominal output current $I_{o\ nom}$	1.1 A (18 VDC); 0.8 A (18 VDC; in any mounting position)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz	Nominal output power	19.8 W
Input current I_i	≤ 0.4 A (230 VAC); ≤ 0.6 A (110 VAC)	Deviation	$\leq 2\%$
Inrush current	≤ 30 A (NTC)	Residual ripple	≤ 100 mV (peak-to-peak)
Mains failure hold-up time	≥ 80 ms (230 VAC); ≥ 10 ms (110 VAC)	Current limitation	$1.1 \times I_{o\ nom}$ (typ.)
		Overload behavior	Constant current



Signaling and communication	
Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED (U _o)

Efficiency/power losses	
Power loss P _I	≤ 3 W; ≤ 6 W (nominal load)
Efficiency (typ.)	80 %

Circuit protection	
Internal fuse	T 2 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher

Safety and protection	
Isolation voltage (pri.-sec.)	DC 4.242 kV
Protection class	II
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ DC 20 V
Overvoltage category	II
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
MTBF	> 500,000 h (per IEC 61709)

Connection data	
Connection type 1	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 740 Series
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches

Physical data	
Width	54 mm / 2.126 inches
Height	89 mm / 3.504 inches
Depth	59 mm / 2.323 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

Mechanical data	
Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail

Material data	
Flammability class per UL94	V0
Fire load	0 MJ
Weight	170 g



Environmental requirements	
Ambient temperature (operation)	-25 ... +60 °C
Ambient temperature (storage)	-25 ... +80 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Climatic category	3K3 (per EN 60721)

Standards and specifications	
Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 60950-1 UL 508 DNV

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821430575
Customs tariff number	85044083900

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02. B.00089_19
UL Underwriters Laboratories Inc.	UL 60950-1	E255815



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 787-1007			

Documentation

Bid Text			
787-1007	19.02.2019	xml 7.47 KB	
787-1007	23.11.2015	doc 31.50 KB	
ausschreiben.de 787-1007			

Instruction Leaflet			
Stromversorgung f. DA-LI-Multi-Master-Klemme 753-647		pdf 161.65 KB	

CAD/CAE-Data

CAD data			
2D/3D Models 787-1007			

CAE data			
EPLAN Data Portal 787-1007			
WSCAD Universe 787-1007			
ZUKEN Portal 787-1007			

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marking strip



[Item No.: 210-831](#)
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



[Item No.: 210-832](#)
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

1.1.2 Tool

1.1.2.1 Operating tool



[Item No.: 210-720](#)
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



[Item No.: 210-769](#)
SCREWDRIVER; green

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com