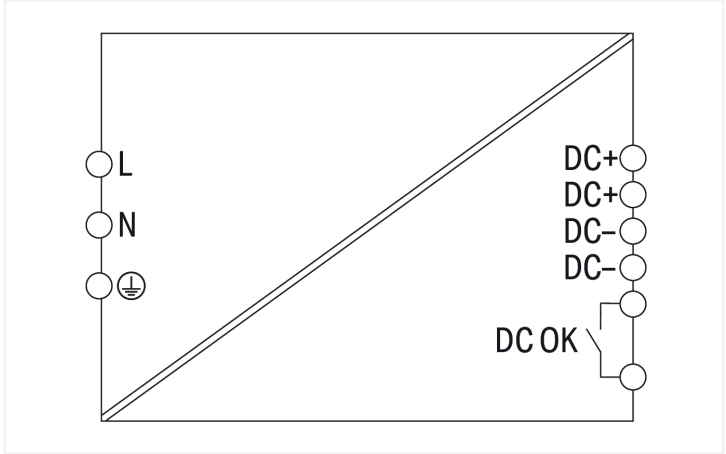




- Features:**
- Switched-mode power supply
 - Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - DC OK contact
 - Suitable for both parallel and series operation
 - Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204
 - DNV approval

Technical data			
Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\ nom}$	1 x 100 ... 240 VAC	Output voltage range	23 ... 28.5 VDC (adjustable)
Input voltage range	1 x 85 ... 264 VAC; 100 ... 300 VDC	Default Setting	DC 24 V
Input voltage derating	-2.5 %/V (< 100 VAC); -1 %/V (< 130 VDC)	Nominal output current $I_{o\ nom}$	10 A (24 VDC)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz	Nominal output power	240 W
Input current I_i	≤ 1.25 A (230 VAC); ≤ 2.74 A (100 VAC)	Deviation	≤ 1 %
Discharge current	≤ 1 mA	Residual ripple	≤ 50 mV (peak-to-peak)
Inrush current	≤ 30 A	Current limitation	1.1 x $I_{o\ nom}$ (typ.)
Power factor correction (PFC)	Active	Overload behavior	Constant current
Mains failure hold-up time	≥ 17 ms (230 VAC); ≥ 15 ms (100 VAC)	TopBoost	See instruction leaflet
Signaling and communication		Efficiency/power losses	
Signaling	1 x DC OK LED (green) 1 x DC OK contact (make contact; max. 30 VAC/DC; 1 A)	Power loss P_l	≤ 6.6 W; ≤ 24.4 W (230 VAC; nominal load)
Operation status indicator	Green LED (U_o)	Power loss (max.) $P_{l\ (max.)}$	31.3 W (100 VAC / 24 VDC; 10 A)
		Efficiency (typ.)	91 %
Circuit protection			
Internal fuse	T 6.3 A / 250 VAC		
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.		
Backup fuse (recommended)	Circuit breaker: 10 A, 16 A; Tripping characteristic: B or C		



Safety and protection		
Isolation voltage (pri.-sec.)	DC 4.242 kV	
Isolation voltage (pri.-PE)	DC 2.2 kV	
Isolation voltage (sec.-PE)	0.7 kVDC	
Protection class	I	
Protection type	IP20; Per EN 60529	
Resistance to reverse feed	≤ 35 VDC	
Overvoltage category	II	
Pollution degree	2	
Transient suppression (primary)	Varistor	
Overvoltage protection; secondary	Internal protective circuit ≤ 40 VDC (in the event of a fault)	
Short-circuit-protected	Yes	
Open-circuit-proof	Yes	
Parallel operation	Yes	
Series operation	Yes	
MTBF	> 500,000 h (per IEC 61709)	

Connection data		
Connection 1		
Connection type	Input/output/signaling	
Connection technology	CAGE CLAMP®	
WAGO connector	WAGO 721 Series	
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG	
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG	
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches	

Physical data		
Width	55 mm / 2.165 inches	
Height	127 mm / 5 inches	
Depth from upper-edge of DIN-rail	172 mm / 6.772 inches	

Mechanical data		
Mounting type	DIN-35 rail	

Material data		
Fire load	0 MJ	
Weight	1140 g	

Environmental requirements		
Ambient temperature (operation)	-25 ... +70 °C (Device starts at -40 °C (type-tested))	
Ambient temperature (storage)	-25 ... +85 °C	
Relative humidity	5 ... 96 % (no condensation permissible)	
Derating	-5 %/K (> 60 °C, 196 ... 264 VAC); -2.5 %/K (> 50 °C, 85 ... 195 VAC)	
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 SEMI F47

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143060516
Customs tariff number	85044083900

Product Classification	
UNSPSC	39121004
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 8.0	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	TP TC 004/2011	EAC CoC 03078	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
GZO Almaty Standart			MFD for SEMI F47 WAGO GmbH & Co. KG	-	-
EAC	TP TC 020/2011	EAC CoC 03081	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
GZO Almaty Standart					
UL	UL 508	E255817			
Underwriters Laboratories Inc.					
UR	UL 60950-1	E255815			
Underwriters Laboratories Inc.					



Approvals for marine applications



Approval	Standard	Certificate Name
DNV DNV Germany GmbH	DNVGL-CG-339,Dec.2019	TAA00002YC

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-1632

Documentation

Bid Text			
787-1632	04.07.2019	xml 7.26 KB	↓
787-1632	04.06.2019	docx 20.88 KB	↓

Instruction Leaflet			
Primär getaktete Stromversorgungen CLASSIC	pdf 251.28 KB	↓	

CAD/CAE-Data

CAD data	
2D/3D Models 787-1632	↓

CAE data	
EPLAN Data Portal 787-1632	↓
WSCAD Universe 787-1632	↓
ZUKEN Portal 787-1632	↓

Engineering-Software

Configuration and Commissioning Software			
WAGO Line Length Cal- culation	1.3.5 09.12.2019	exe 329.50 KB	↓



1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker



Item No.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.1.2 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white



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 Mounting adapter

1.1.2.1 DIN-rail adapter



Item No.: 787-897/000-010
Carrier rail adapter made of zinc die-cast; horizontal mounting of 787-16xx (TS35)

1.1.3 Tool

1.1.3.1 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