

- Features:**
- Switched-mode power supply with PowerBoost
  - Low-profile, compact design
  - Extremely robust, fully encapsulated housing (IP67)
  - Active power factor correction
  - High efficiency up to 92.3%
  - Surrounding air temperature up to 85°C
  - Suitable for both parallel and series operation

Technical data			
Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	DC 24 V
Nominal input voltage $U_{i\ nom}$	AC/DC 100 ... 240 V	Output voltage range	±2 %
Input voltage range	AC/DC 90 ... 265 V	Nominal output current $I_{o\ nom}$	4 A
Nominal mains frequency range	47 ... 63.6 Hz; 0 Hz	Nominal output power	96 W
Input current $I_i$	≤ 0.5 A (250 VAC); ≤ 1.1 A (100 VAC)	Residual ripple	≤ 100 mV (peak-to-peak); ≤ 20 mV (rms)
Inrush current	≤ 9 A	Overload behavior	Constant current
Power factor	≥ 0.98	PowerBoost	DC 6 A (5 s; without voltage drop)
Power factor correction (PFC)	Active		
Mains failure hold-up time	≥ 45 ms		



Signaling and communication	
Signaling	1 x LED DC OK (green) 1 x Overload LED (red)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)

Efficiency/power losses	
Power loss P <sub>I</sub>	≤ 1 W; ≤ 7.9 W (nominal load)
Efficiency (typ.)	92.3 % (230 VAC)

Circuit protection	
Internal fuse	T 6.3 A
Backup fusing (recommended)	Circuit breaker: 4 ... 20 A; Characteristic: C T 20 A in building installations

Safety and protection	
Protection class	I
Protection type	IP67
Resistance to reverse feed	≤ DC 35 V
Overvoltage protection; secondary	≤ 30 VDC (per IEC 61131)
Short-circuit-protected	Yes
Parallel operation	3 devices (max.)
Series operation	2 devices (max.)
MTBF	> 960,000 h

Connection data	
Connection type 1	Input
Connection technology	7/8"; 3-pole plug
Connection type 2	Output
Connection technology 2	7/8"; 5-pole socket

Physical data	
Width	111 mm / 4.37 inches
Height	141 mm / 5.55 inches
Depth	54 mm / 2.123 inches

Mechanical data	
Mounting type	Screw mount

Material data	
Fire load	0 MJ
Weight	1100 g

Environmental requirements	
Ambient temperature (operation)	-40 ... +85 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	4 ... 100 %
Derating	-3.84 W/K (> 60 °C)
Climatic category	4K6 (per EN 60721)




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

Commercial data	
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	CZ
GTIN	4055143644877
Customs tariff number	85044083900

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 Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00089_19
UL Underwriters Laboratories Inc.	UL 508	E255817

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-6716	



Documentation				
Bid Text			Instruction Leaflet	
787-6716	04.07.2019	xml 6.10 KB	Primär getaktete Stromversorgung IP67	18.05.2021 pdf 447.12 KB
787-6716	12.06.2019	docx 18.81 KB		

CAD/CAE-Data	
CAE data	
EPLAN Data Portal 787-6716	

1 Compatible Products			
1.1 Optional Accessories			
1.1.1 Cables and connectors			
1.1.1.1 Pluggable connectors			
<a href="#">Item No.: 787-6716/9000-1000</a> Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Plug, straight	<a href="#">Item No.: 787-6716/9100-000</a> Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Plug, straight	<a href="#">Item No.: 787-6716/9400-000</a> Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Socket, angled	<a href="#">Item No.: 787-6716/9300-000</a> Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Socket, straight
<a href="#">Item No.: 787-6716/9600-000</a> Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Plug, angled	<a href="#">Item No.: 787-6716/9500-000</a> Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Plug, straight	<a href="#">Item No.: 787-6716/9800-000</a> Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Socket, angled	<a href="#">Item No.: 787-6716/9700-000</a> Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Socket, straight
1.1.1.2 Power supply cable			
<a href="#">Item No.: 787-6716/9310-100</a> Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 10 m	<a href="#">Item No.: 787-6716/9310-030</a> Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 3 m	<a href="#">Item No.: 787-6716/9310-050</a> Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 5 m	<a href="#">Item No.: 787-6716/9510-015</a> Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 1.5 m
<a href="#">Item No.: 787-6716/9510-030</a> Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 3 m	<a href="#">Item No.: 787-6716/9510-050</a> Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 5 m		