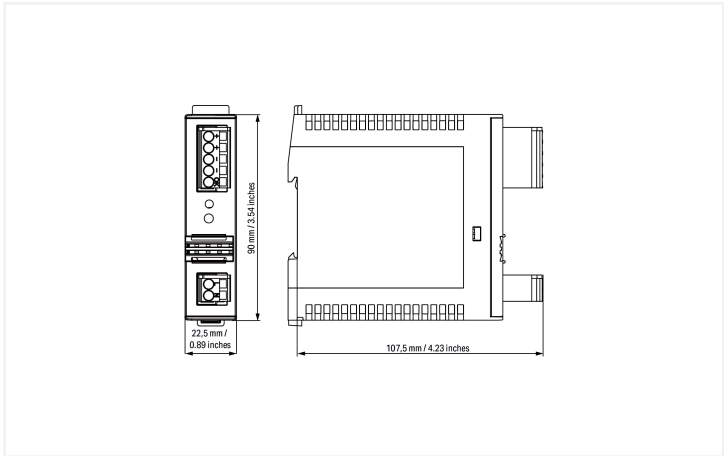
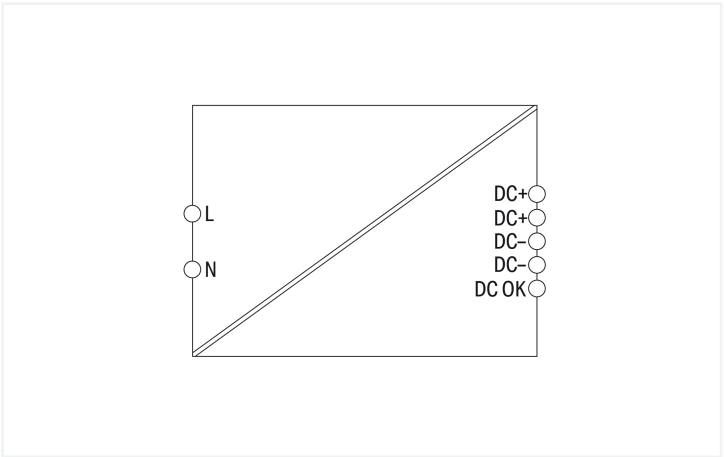




- Features:**
- Switched-mode power supply
 - Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Limited Power Source (LPS) per NEC Class 2
 - Bounce-free switching signal (DC OK)
 - Suitable for both parallel and series operation
 - Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204
 - DNV approval, also suitable for EMC 1 in conjunction with 787-980 Filter Module

Technical data			
Input		Input	
Phases	1	Power factor correction (PFC)	Passive
Nominal input voltage $U_{in\,nom}$	1 x 100 ... 240 VAC	Mains failure hold-up time	≥ 120 ms (230 VAC); ≥ 20 ms (100 VAC)
Input voltage range	1 x 85 ... 264 VAC; 120 ... 300 VDC		
Input voltage derating	-2.5 %/V (< 95 VAC)		
Nominal mains frequency range	44 ... 66 Hz; 0 Hz		
Input current I_i	≤ 0.28 A (240 VAC); ≤ 0.49 A (100 VAC)		
Discharge current	≤ 0.25 mA		
Inrush current	≤ 30 A		



Output	
Nominal output voltage $U_{o\,nom}$	24 VDC (SELV)
Output voltage range	23 ... 28.5 VDC (adjustable)
Default Setting	24 VDC
Nominal output current $I_{o\,nom}$	1 A (24 VDC); 1.2 A (
Nominal output power	24 W
Deviation	≤ 1 %
Residual ripple	≤ 20 mV (peak-to-peak)
Current limitation	1.1 x $I_{o\,nom}$ (typ.)
Overload behavior	Constant current

Efficiency/Power Losses	
Power loss P_I	≤ 1 W; ≤ 4 W (230 VAC; nominal load)
Power loss (max.) $P_{I\,(max.)}$	5 W (100 VAC / 24 VDC; 1 A)
Efficiency (typ.)	86 %

Signaling and Communication	
Signaling	1 x DC OK LED (green) 1 x Active signal output DC OK (24 VDC; 20 mA)
Operation status indicator	Green LED (U_o)

Circuit Protection	
Internal fuse	T 2 A / 250 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	Circuit breaker: 6 A, 10 A, 16 A; Tripping characteristic: B or C

Safety and protection	
Isolation voltage (pri.-sec.)	4.242 kVDC
Protection class	II
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 ≤ 39 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		22.5 mm / 0.886 inches
Height		90 mm / 3.543 inches
Depth from upper-edge of DIN-rail		107.5 mm / 4.232 inches

Mechanical data		
Mounting type		DIN-35 rail

Material data		
Fire load		0 MJ
Weight		128 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		-3 %/K (> 50 °C)
Climatic category		3K3 (per EN 60721)

Standards and Specifications		
Conformity marking		CE
Standards/specifications		EN 61010-1 EN 61010-2-201 EN 61204-3 EN 60335-1 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		4055143060417
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 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	Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081	MFD for SEMI F47 WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc.	UL 508	E255817			
UR Underwriters Laboratories Inc.	UL 60950-1	E255815			

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 787-1602	

Documentation

Bid Text				Instruction Leaflet			
787-1602	04.07.2019	xml 6.92 KB		Primär getaktete Stromversorgungen CLASSIC	17.05.2021	pdf 1620.11 KB	
787-1602	03.06.2019	docx 20.54 KB					



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-1602	EPLAN Data Portal 787-1602
	WSCAD Universe 787-1602
	ZUKEN Portal 787-1602

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 Tool	
1.1.2.1 Operating tool	
	
<u>Item No.: 210-720</u> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	<u>Item No.: 210-769</u> SCREWDRIVER; green

