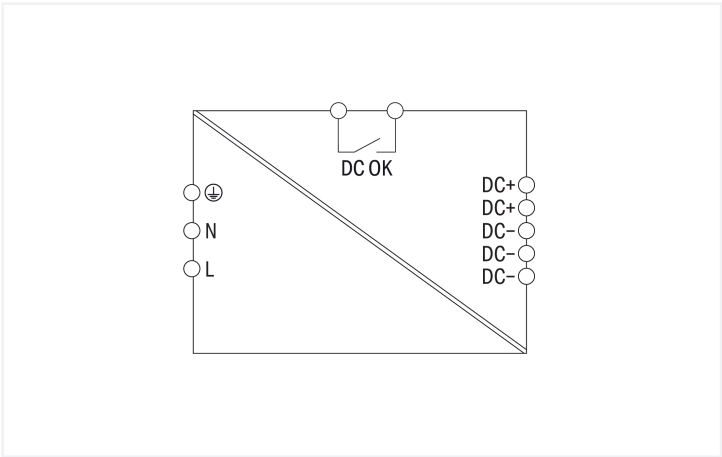




- Features:**
- Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Fast and tool-free termination via lever-actuated PCB terminal blocks
 - Bounce-free switching signal (DC OK) via optocoupler
 - Parallel operation
 - Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204

Technical data			
Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\ nom}$	1 x 110 ... 240 VAC	Output voltage range	22 ... 28 VDC (adjustable)
Input voltage range	1 x 90 ... 264 VAC; 130 ... 373 VDC	Default Setting	24 VDC
Input voltage derating	-2 %/V (< 100 VAC)	Nominal output current $I_{o\ nom}$	40 A (24 VDC)
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output power	960 W
Input current I_i	≤ 6 A (230 VAC); ≤ 12 A (115 VAC)	Deviation	≤ 1 %
Discharge current	≤ 2 mA	Residual ripple	≤ 100 mV (peak-to-peak)
Power factor	≥ 0.94 (230 VAC); ≥ 0.98 (115 VAC)	Overload behavior	Constant power (in overload range: 1.15 ... 1.4 x $I_{o\ nom}$); Shutdown and automatic restart in the event of a short circuit
Power factor correction (PFC)	Active		
Mains failure hold-up time	≥ 17 ms (230 VAC)		

Signaling and Communication		Efficiency/Power Losses	
Signaling	1 x DC OK LED (green) 1 x Overload LED (red) 1 x Signal output DC OK (optocoupler as make contact; max. 31.2 V; 20 mA)	Power loss P_l	≤ 107 W (230 VAC; nominal load)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)	Efficiency (typ.)	90 %



Circuit Protection	
Internal fuse	T 20 A / 250 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	Circuit breaker: 13 A, 16 A, 20 A; Tripping characteristic: B or C

Safety and protection	
Isolation voltage (pri.-sec.)	4.242 kVDC
Isolation voltage (pri.-PE)	2.2 kVDC
Isolation voltage (sec.-PE)	0.7 kVDC
Isolation voltage (sec.-signal)	0.7 kVDC
Protection class	I
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 29 VDC
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 250,000 h (per IEC 61709)

Connection Data			
Connection 1		Connection 2	
Connection type	Input/signaling	Connection type	Output
Connection technology	CAGE CLAMP®	Connection technology	CAGE CLAMP®
WAGO connector	WAGO 2706 Series	WAGO connector	WAGO 2716 Series
Solid conductor	0.5 ... 6 mm² / 20 ... 10 AWG	Solid conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Fine-stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG	Fine-stranded conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Strip length	11 ... 12 mm / 0.43 ... 0.47 inches	Strip length	12 ... 13 mm / 0.47 ... 0.51 inches

Physical data	
Width	170 mm / 6.69 inches
Height	136 mm / 5.354 inches
Depth from upper-edge of DIN-rail	150 mm / 5.91 inches

Mechanical data	
Mounting type	DIN-35 rail



Material data		
Fire load		0 MJ
Weight		4189 g
Environmental requirements		
Ambient temperature (operation)		-25 ... +70 °C
Ambient temperature (storage)		-40 ... +85 °C
Relative humidity		≤ 95 % (no condensation permissible)
Derating		-2.66 %/K (> 55 °C)
Climatic category		3K3 (per EN 60721)
Standards and Specifications		
Conformity marking		CE
Standards/specifications		EN 62368-1 EN 61204-3 EN 61000-6-2 EN 61000-6-4 UL 60950-1 UL 508 SEMI F47
Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		CN
GTIN		4050821748250
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
SCIP notification number (Bulgaria)		a62607a7-2856-4d66-af7d-40c67b37a0f5
SCIP notification number (Czech Republic)		6a5b31a3-c7f4-42d8-9112-e5ab02ad13dd



Approvals / Certificates

General approvals



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 508	E255817

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
MFD for SEMI F47 WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

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Environmental Product Compliance 787-736



Documentation

Bid Text
787-736
12.07.2019
xml 7.01 KB
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12.07.2019
docx 21.06 KB
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Instruction Leaflet			
Primary Switch Mode Power Supply ECO- Power	V 2.0.0 09.09.2024	pdf 372.12 KB	



CAD/CAE-Data

CAD data
2D/3D Models 787-736



CAE data
EPLAN Data Portal 787-736
WSCAD Universe 787-736
ZUKEN Portal 787-736





1 Compatible Products
1.1 Optional Accessories
1.1.1 Tool
1.1.1.1 Operating tool



Item No.: 210-769
SCREWDRIVER; green