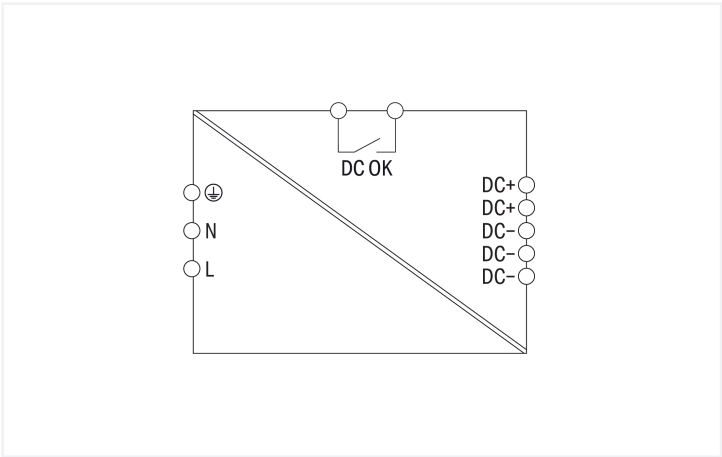




- Features:**
- Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Fast and tool-free termination via lever-actuated PCB terminal blocks
 - Bounce-free switching signal (DC OK) via optocoupler
 - Parallel operation
 - Electrically isolated output voltage (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 85 ... 264 VAC; 130 ... 373 VDC	Default Setting	24 VDC
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\ nom}$	20 A (24 VDC)
Input current I_i	≤ 3 A (230 VAC); ≤ 6.3 A (115 VAC)	Nominal output power	480 W
Discharge current	≤ 2 mA	Deviation	≤ 1 %
Power factor	≥ 0.94 (230 VAC); ≥ 0.98 (115 VAC)	Residual ripple	≤ 100 mV (peak-to-peak)
Power factor correction (PFC)	Active	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
Mains failure hold-up time	≥ 20 ms (230 VAC)		

Signaling and Communication	
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)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)

Efficiency/Power Losses	
Power loss P_i	≤ 65 W (230 VAC; nominal load)
Power loss (max.) $P_{i\ (max.)}$	107 W (110 VAC / 24 VDC; 23 A)
Efficiency (typ.)	90 %



Circuit Protection	
Internal fuse	T 10 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.)	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	115 mm / 4.528 inches
Height	136 mm / 5.354 inches
Depth from upper-edge of DIN-rail	144 mm / 5.669 inches

Mechanical data	
Mounting type	DIN-35 rail



Material data		
Fire load		0 MJ
Weight		74.1 g

Environmental requirements		
Ambient temperature (operation)		-25 ... +70 °C
Ambient temperature (storage)		-25 ... +85 °C
Relative humidity		≤ 95 % (no condensation permissible)
Derating		See instruction manual
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		4050821495291
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)		981d1d3e-1d07-4a2a-b7ff-f24c0b1a11e1
SCIP notification number (Czech Republic)		6172285d-1347-46fd-870c-cdc678f691eb



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.	-	E255817
UL Underwriters Laboratories Inc.	UL 508	E255817
UR Underwriters Laboratories Inc.	UL 60950-1	E255815

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

Compliance Search

Environmental Product
Compliance 787-734



Documentation

Bid Text

787-734	12.07.2019	xml 7.06 KB	
787-734	12.07.2019	docx 21.31 KB	

Instruction Leaflet

Primary Switch Mode Power Supply ECO- Power	V 1.6 21.12.2020	pdf 370.91 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 787-734



CAE data

EPLAN Data Portal 787-734	
WSCAD Universe 787-734	
ZUKEN Portal 787-734	



1 Compatible Products
1.1 Optional Accessories
1.1.1 Tool
1.1.1.1 Operating tool



Item No.: 210-769
SCREWDRIVER; green