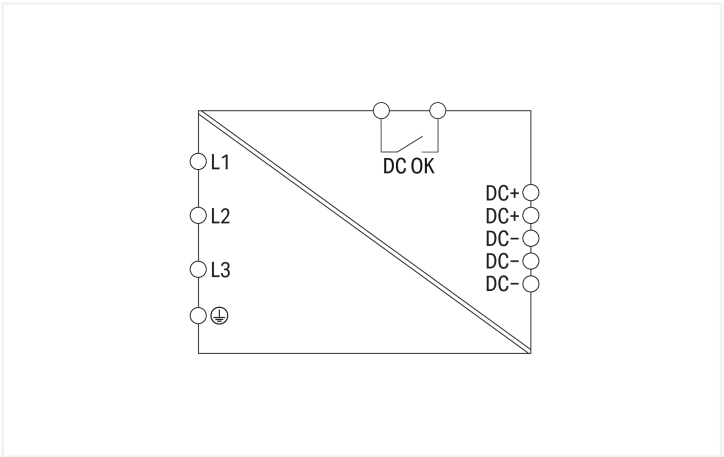




- Features:**
- Economical power supply for standard applications
 - Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Fast and tool-free termination via lever-actuated terminal blocks with push-in connection technology
 - DC OK signal output
 - Parallel operation
 - Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1; PELV per EN 60204-1

Technical data			
Input		Output	
Phases	2 / 3	Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\ nom}$	(2 / 3) x 400 ... 480 VAC	Output voltage range	22 ... 28 VDC (adjustable)
Input voltage range	(2 / 3) x 325 ... 575 VAC; 560 ... 700 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	$\leq 3 \times 1.2 \text{ A}$ (400 VAC)	Nominal output power	480 W
Discharge current	$\leq 3.5 \text{ mA}$	Deviation	$\leq 1 \%$
Inrush current	$\leq 30 \text{ A}$ (400 VAC)	Residual ripple	$\leq 150 \text{ mV}$ (peak-to-peak)
Power factor	≥ 0.7 (400 VAC)	Overload behavior	Constant power (in overload range: 1.05 ... 1.4 x $I_{o\ nom}$); Shutdown and automatic restart in the event of a short circuit
Power factor correction (PFC)	Passive		
Mains failure hold-up time	$\geq 10 \text{ ms}$ (3 x 400 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 (PhotoMOS as make contact, rated for max. 31.2 VDC / 100 mA)	Power loss P_I	$\leq 2.15 \text{ W}$ (400 VAC; no load); $\leq 42.5 \text{ W}$ (400 VAC; nominal load)
Operation status indicator	Green LED (U_o) Red LED (overload)	Efficiency (typ.)	92 %



Circuit Protection	
Internal fuse	3 x T 3.15 A / 500 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	3 x Circuit breaker ≥ 10 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	≤ 30 VDC
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	2 devices (max.)
MTBF	> 1,800,000 h (per IEC 61709)

Connection Data			
Connection 1		Connection 2	
Connection type	Input/output	Connection type	Signaling
Connection technology	Push-in CAGE CLAMP®	Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2606 Series	WAGO connector	picoMAX® 3.5 (WAGO 2091 Series)
Solid conductor	0.5 ... 6 mm² / 20 ... 10 AWG	Solid conductor	0.2 ... 1.5 mm² / 24 ... 14 AWG
Fine-stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG	Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 14 AWG
Strip length	11 ... 13 mm / 0.43 ... 0.51 inches	Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data	
Width	80 mm / 3.15 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	170 mm / 6.693 inches

Mechanical data	
Mounting type	DIN-35 rail



Material data	
Fire load	0.297 MJ
Weight	1710 g

Environmental requirements	
Ambient temperature (operation)	-20 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	10 ... 95 % (no condensation permissible)
Derating	-2 %/K (> 45 °C)
Climatic category	3K3 (per EN 60721)
Resistance to shock and vibration	Shock: 15g (per EN 60068-2-27) Vibration: 1g (per EN 60068-2-6)

Standards and Specifications	
Conformity marking	CE; EAC
Standards/specifications	EN 61204-3 EN 62368-1 cURus 60950-1 cURus 62368-1 cULus 508 CSA C22.2 SEMI F47

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143588973
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		
   		
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

General approvals		
UR Underwriters Laboratories Inc.	UL 60950-1	E255815
UR Underwriters Laboratories Inc.	UL 62368-1	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	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-2742



Documentation

Bid Text
787-2742
13.06.2019
xml 7.42 KB
787-2742
13.06.2019
docx 23.18 KB



Instruction Leaflet
Primär getaktete Stromversorgung ECO
V 1.5.0
pdf 980.89 KB



CAD/CAE-Data

CAD data
2D/3D Models 787-2742



CAE data
EPLAN Data Portal 787-2742
ZUKEN Portal 787-2742



1 Compatible Products

1.1 Optional Accessories

1.1.1 Tool

1.1.1.1 Operating tool



Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a
partially insulated shaft

Item No.: 210-769
SCREWDRIVER; green