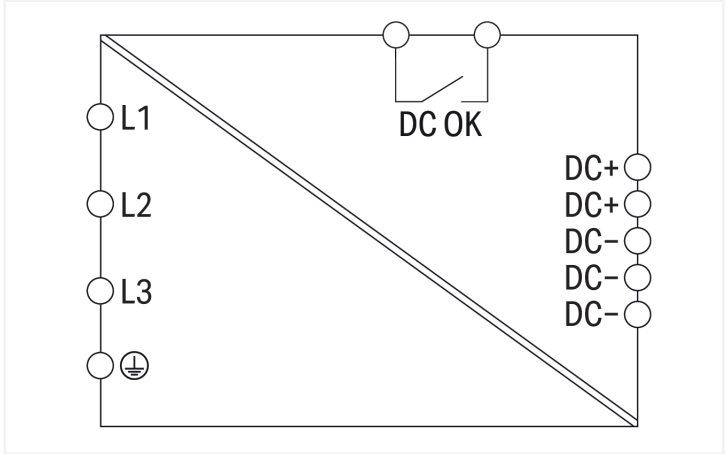




- Features:**
- Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Fast and tool-free termination via lever-actuated PCB terminal blocks
 - Bounce-free switching signal (DC OK) via optocoupler
 - Parallel operation
 - Electrically isolated output voltage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

Technical data			
Input		Output	
Phases	2 / 3	Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\ nom}$	(2 / 3) x 400 ... 500 VAC	Output voltage range	22 ... 28 VDC (adjustable)
Input voltage range	(2 / 3) x 360 ... 575 VAC; 500 ... 650 VDC	Default Setting	DC 24 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\ nom}$	20 A (24 VDC)
Input current I_i	$\leq 3 \times 2\ A$ (400 VAC; 24 VDC / 20 A)	Nominal output power	480 W
Discharge current	$\leq 3.5\ mA$	Deviation	$\leq 1\ \%$
Inrush current	$\leq 30\ A$	Residual ripple	$\leq 100\ mV$ (peak-to-peak)
Power factor	≥ 0.5	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)	Passive		
Mains failure hold-up time	$\geq 17\ ms$ (3 x 400 VAC)		
Signaling and communication		Efficiency/power losses	
Signaling	1 x LED DC OK (green) 1 x Overload LED (red) 1 x DC OK signal output (optocoupler as make contact; max. 31.2 V; 20 mA)	Power loss P_I	$\leq 50\ W$
Operation status indicator	Green LED (U_o) Red LED (overload)	Power loss (max.) $P_{I(max)}$	55 W
		Efficiency (typ.)	90 %
Circuit protection			
Internal fuse	3 x T 5 A / 250 VAC		
Backup fusing (required)	An external DC fuse is required for the DC input voltage.		
Backup fusing (recommended)	3 x Circuit breaker $\geq 6\ A$; Tripping characteristic: B or C Alternative: motor circuit breaker		



Safety and protection	
Isolation voltage (pri.-sec.)	DC 4.242 kV
Isolation voltage (pri.-PE)	DC 2.2 kV
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	Yes
MTBF	> 250,000 h (per IEC 61709)

Connection data			
Connection 1		Connection 2	
Connection type 1	Input/output	Connection type	Signaling
Connection technology	CAGE CLAMP®	Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2706 Series	WAGO connector 2	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 ... 12 mm / 0.43 ... 0.47 inches	Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data	
Width	110 mm / 4.331 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	151 mm / 5.944 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Fire load	0 MJ
Weight	1930 g

Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	10 ... 95 % (no condensation permissible)
Derating	-2 %/K (> 50 °C; 400 VAC)
Climatic category	3K3 (per EN 60721)



Standards and specifications	
Conformity marking	CE
Standards/specifications	EN 62368-1 EN 61204-3 (Class A) UL 60950-1 UL 508 SEMI F47

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 8.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821848387
Customs tariff number	85044083900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Bulgaria)	580705db-f9c1-4986-b762-ea0b9541d3b8
SCIP notification number (Czech Republic)	f4d1cfe3-5091-4c22-8601-3b9986e3bea0

Approvals / Certificates											
General approvals		Declarations of conformity and manufacturer's declarations									
   											
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									
UR Underwriters Laboratories Inc.	UL 60950-1	E255815									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>MFD for SEMI F47 WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	MFD for SEMI F47 WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
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Documentation

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Instruction Leaflet

Primary Switch Mode Power Supply ECO-Power	V 1.5.6 21.12.2020	pdf 264.97 KB	Download icon
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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