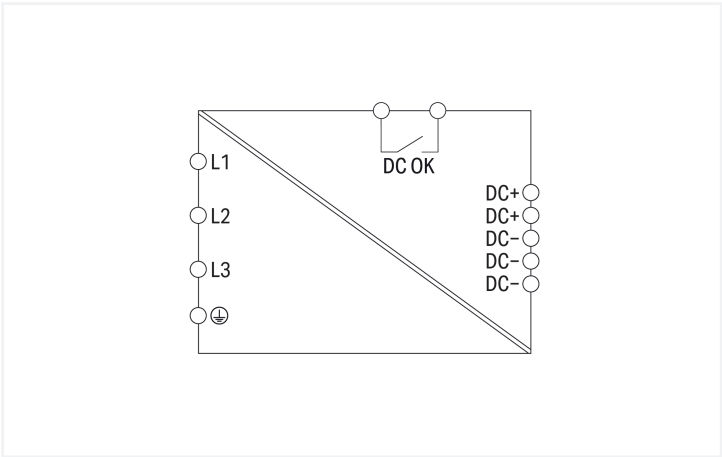




- Features:**
- Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Fast and tool-free termination via lever-actuated PCB terminal blocks
 - Bounce-free switching signal (DC OK) via optocoupler
 - Parallel operation
 - Electrically isolated output voltage (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 340 ... 500 VAC; 500 ... 650 VDC	Default Setting	24 VDC
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\ nom}$	10 A (24 VDC)
Input current I_i	$\leq 3 \times 1.2\ A$ (400 VAC; 24 VDC / 10 A)	Nominal output power	240 W
Discharge current	$\leq 3.5\ mA$	Deviation	$\leq 1\ \%$
Power factor	≥ 0.5	Residual ripple	$\leq 100\ mV$ (peak-to-peak)
Power factor correction (PFC)	Passive	Overload behavior	Constant power (in overload range: $1.15 \dots 1.4 \times I_{o\ nom}$); Shutdown and automatic restart in the event of a short circuit
Mains failure hold-up time	$\geq 17\ ms$ (3 x 400 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 (U_o) Red LED (overload)

Efficiency/Power Losses	
Power loss P_i	$\leq 32.5\ W$
Power loss (max.) $P_{i\ (max.)}$	36 W
Efficiency (typ.)	89 %



Circuit Protection	
Internal fuse	3 x T 2 A / 250 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	3 x Circuit breaker ≥ 6 A; Tripping characteristic: B or C Alternative: motor circuit breaker

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	Yes
MTBF	> 250,000 h (per IEC 61709)

Connection Data			
Connection 1		Connection 2	
Connection type	Input/output	Connection type	Signaling
Connection technology	CAGE CLAMP®	Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2706 Series	WAGO connector	<i>picoMAX</i> ® 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	65 mm / 2.559 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	130 mm / 5.118 inches

Mechanical data	
Mounting type	DIN-35 rail



Material data	
Fire load	0 MJ
Weight	1145 g

Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	10 ... 95 % (no condensation permissible)
Derating	-1.25 %/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)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821848370
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)	56f6aa7b-2746-40cb-b879-d3ded107a093
SCIP notification number (Czech Republic)	036e791d-f09e-4b39-800c-ef86cc678ed0

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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-740



Documentation

Bid Text
787-740
12.07.2019
xml 7.25 KB
787-740
12.07.2019
docx 23.12 KB



Instruction Leaflet
Primary Switch Mode Power Supply ECO- Power
V 1.4.5 21.12.2020
pdf 266.69 KB



CAD/CAE-Data

CAD data
2D/3D Models 787-740



CAE data
EPLAN Data Portal 787-740
WSCAD Universe 787-740
ZUKEN Portal 787-740



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
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Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com