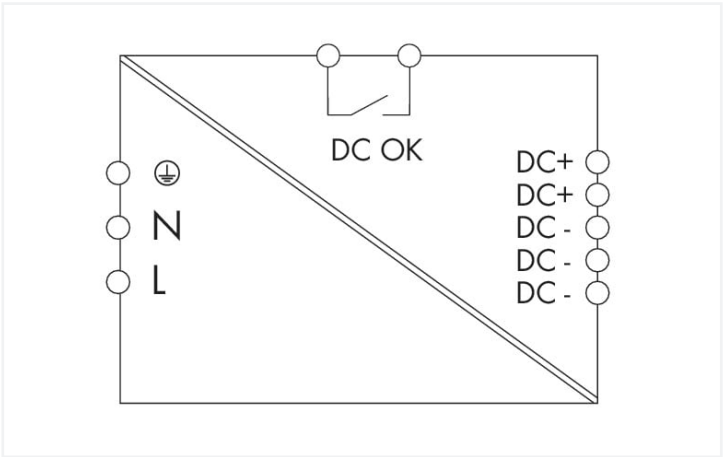




- Features:**
- Natural convection cooling when horizontally mounted
 - Encapsulated for use in control cabinets
 - Fast and tool-free termination via lever-actuated PCB terminal blocks
 - Bounce-free switching signal (DC OK) via optocoupler
 - Parallel operation
 - Electrically isolated output voltage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

Technical data			
Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	DC 24 V (SELV)
Nominal input voltage $U_{i\ nom}$	1 x AC 110 ... 240 V	Output voltage range	DC 22 ... 28 V (adjustable)
Input voltage range	1 x AC 90 ... 264 V; DC 130 ... 373 V	Default setting	DC 24 V
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)
Inrush current	≤ 30 A	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	≥ 0.94 (230 VAC); ≥ 0.98 (115 VAC)		
Power factor correction (PFC)	active		
Mains failure hold-up time	≥ 17 ms (230 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_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
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: 13 A, 16 A, 20 A; Tripping characteristic: B or C



Safety and protection		
Isolation voltage (pri.-sec.)		DC 4.242 kV
Isolation voltage (pri.-PE)		DC 2.2 kV
Isolation voltage (sec.-PE)		DC 0.7 kV
Isolation voltage (sec.-signal)		DC 0.7 kV
Protection class		I
Protection type		IP20; per EN 60529
Resistance to reverse feed		≤ DC 29 V
Overtoltage 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 type 1		Input/signaling
Connection technology		CAGE CLAMP®
WAGO connector		WAGO 2706 Series
Solid conductor		0.5 ... 6 mm² / 20 ... 10 AWG
Fine-stranded conductor		0.5 ... 6 mm² / 20 ... 10 AWG
Strip length		11 ... 12 mm / 0.43 ... 0.47 inches
Connection type 2		Output
Connection technology		CAGE CLAMP®
WAGO connector 2		WAGO 2716 Series
Solid conductor 2		1.5 ... 16 mm² / 16 ... 6 AWG
Fine-stranded conductor 2		1.5 ... 16 mm² / 16 ... 6 AWG
Strip length 2		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		3500 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)

Standards and specifications	
Conformity marking	CE
Standards/specifications	EN 62368-1 EN 61204-3 EN 61000-6-2 EN 61000-6-3 UL 60950-1 UL 508

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821748250
Customs tariff number	85044083900

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00089_19
UL Underwriters Laboratories Inc.	UL 508	E255817

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-736



Documentation



Bid Text			
787-736	12.07.2019	xml 7.01 KB	↓
787-736	12.07.2019	docx 21.06 KB	↓

Instruction Leaflet			
Primary Switch Mode Power Supply ECO- Power	V 1.7 21.12.2020	pdf 372.12 KB	↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-736	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