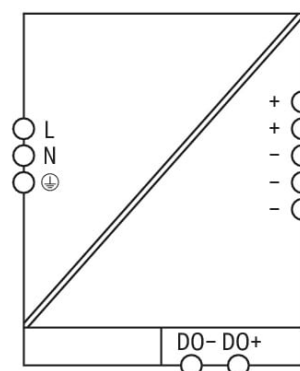
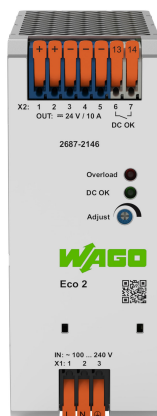


Data Sheet | Item Number: 2687-2146

Power supply; Eco 2; 1-phase; 24 VDC output voltage; 10 A output current; DC OK contact

<https://www.wago.com/2687-2146>



Features:

- Signal output, optical status indication
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Connection technology with push-in termination and tool-free lever operation
- Electrically isolated output voltage (SELV/PELV) per EN 61010/UL 61010
- Marker slot (2789-1233, not included) for WAGO marking cards (WMB) and WAGO marking strips

Technical data



Input	
Phases	1
Nominal input voltage $U_{i\,nom}$	1 x AC 100 ... 240 V
Input voltage range	1 x AC 90 ... 264 V
Nominal mains frequency range	50 ... 60 Hz; 0 Hz
Input current I_i	$\leq 1.1\text{ A}$ (230 VAC; nominal load); $\leq 2.7\text{ A}$ (100 VAC; nominal load)
Inrush current	$\leq 25\text{ A}$ (after 1 ms)
Power factor correction (PFC)	active
Mains failure hold-up time	$\geq 25\text{ ms}$ (230 VAC)

Signaling and communication	
Signaling	Optical status indication (overload) Optical status indication (DC OK) Digital signal output (DO)

Circuit protection	
Internal fuse	T 6.3 A / 250 VAC

Output	
Nominal output voltage $U_{o\,nom}$	DC 24 V (SELV)
Output voltage range	DC 23 ... 28 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\,nom}$	10 A (24 VDC)
Nominal output power	240 W
Deviation	$\leq 1\%$
Residual ripple	$\leq 75\text{ mV}$ (peak-to-peak)
Overload behavior	Constant current up to 105 ... 110 %; shutdown and automatic restart in the event of a short circuit

Efficiency/power losses	
Power loss P_i	$\leq 3\text{ W}$ (230 VAC; no load); $\leq 13\text{ W}$ (230 VAC; nominal load)
Efficiency (typ.)	93 %

Safety and protection	
Isolation voltage (pri.-sec., AC)	3510 V
Isolation voltage (pri.-PE, AC)	2200 V
Isolation voltage (sec.-PE)	DC 0.5 kV
Isolation voltage (sec.-signal)	DC 0.5 kV
Protection class	I
Protection type	IP20; per EN 60529
Overvoltage category	III ($\leq 2000\text{ m a.s.l.}$); II ($> 2000\text{ m a.s.l.}$)
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes

Connection data	
Connection type 1	Input/output/signaling
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG

Physical data	
Width	50 mm / 1.97 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		800 g
Environmental requirements		
Ambient temperature (operation)		-25 ... +70 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)		-40 ... +85 °C
Relative humidity		5 ... 96 % (no condensation permissible)
Derating		-3 %/K; > 45 °C
Climatic category		3K3 (per EN 60721)
Operating altitude (max.)		5000 m
Standards and specifications		
Conformity marking		CE
Standards/specifications		EN 61010-1 EN 61010-2-201 EN 61204-3 UL 61010-1 UL 61010-2-201
Commercial data		
PU (SPU)		1 pcs
Country of origin		CN
GTIN		4066966342451
Customs tariff number		85044083900
Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption
Approvals / Certificates		
Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Downloads		
Environmental Product Compliance		



Compliance Search	
Environmental Product Compliance 2687-2146	

Documentation			
Bid Text		Instruction Leaflet	
2687-2146	xml 7.29 KB	Power Supply; Eco 2	V 1.0.0 02.02.2023
		pdf	2308.20 KB
2687-2146	docx 29.98 KB		

1 Compatible Products
1.1 Optional Accessories
1.1.1 Marking
1.1.1.1 Marker carrier



Item No.: 2789-1233
Marker carrier; for WMB or marking strips;
Length: 33 mm