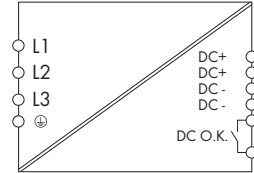


## Switched-Mode Power Supply, 3-Phase

EPSITRON® CLASSIC Power



- Primary switch mode power supply unit with TopBoost, enabling secondary-side protection via electronic circuit breakers
- Suitable for protection class I equipment
- Natural convection cooling when horizontally mounted
- Enclosed for use in switchgear cabinets
- DC OK contact
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) acc. to EN 60950-1/UL 60950-1

Technical Data	
<b>Input:</b>	
Nominal input voltage $V_{i, nom}$	3 x (2 x) AC 400 ... 500 VAC
Input voltage range	320 V ... 575 VAC; 450 V ... 800 VDC
Frequency	47 Hz ... 63 Hz; 0 Hz
Input current $I_i$	3 x 2.15 A (400 VAC); 3 x 1.82 A (500 VAC)
Inrush current	< 30 A, NTC
Mains failure hold-up time	25 ms (500 VAC); 15 ms (400 VAC)
<b>Output:</b>	
Nominal output voltage $V_{o, nom}$	24 VDC (SELV)
Output voltage range	23 V ... 28.5 VDC adjustable
Factory preset	24 VDC
Output current $I_o$	40 A at 24 VDC
Adjustment accuracy	< 1 %
Residual ripple	30 mV (peak-to-peak) typ.
Current limitation	1.1 x $I_o$ typ.
Overload behavior	Constant current
Operational indication	Green LED ( $V_o$ )
Signaling	DC OK contact; Make contact (max. 30 V / 1 A)
<b>Efficiency/Power losses:</b>	
Efficiency	92 % typ.
Power loss $P_V$	4.2 W (no load); 83.9 W (400 VAC, nominal load)
Max. power loss $P_V$	83.9 W (500 VAC / 24 VDC, 40 A)
<b>Fuse protection:</b>	
Internal fuse	-
External fuse (required)	3 x circuit breakers 6 A, 10 A, 16 A, B or C characteristic; max. 20 A; or motor circuit breakers An external DC fuse required for DC input voltage

Description	Item No.	Pack. Unit
Switched-mode power supply, 24 VDC/ 40 A	787-1644	1
<b>Technical Data</b>		
<b>Environmental requirements:</b>		
Ambient operating temperature	-25 °C ... +70 °C;	
	Device start at -40 °C type-tested	
Storage temperature	-25 °C ... +85 °C	
Relative humidity	5 % ... 96 % (no condensation permissible)	
Derating	-2.5 %/K (> 55 °C)	
<b>Safety and protection:</b>		
Test voltage PRI-SEC	4.2 kV DC	
Protection class	Prepared for class I equipment	
Degree of protection	IP20 (acc. to EN 60529)	
Overvoltage protection	Varistor (input side); internal protective circuit, < 40 VDC (output side in case of an error)	
Short circuit protection	yes	
No-load proof	yes	
Feedback voltage	max. 35 VDC	
Parallel operation	yes	
Series connection	yes	
<b>Connection and mounting type:</b>		
Wire connection	Input/Signaling: WAGO 721 Series Output: WAGO 831 Series	
Cross sections	Input/Signaling: 0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG Output: 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> / 20 ... 8 AWG	
Strip lengths	Input/Signaling: 8 ... 9 mm / 0.31 ... 0.35 in Output: 13 ... 15 mm / 0.51 ... 0.59 in	
Mounting type	DIN-rail-mount (EN 60715)	
<b>Dimensions and weight:</b>		
Dimensions (mm) W x H x L	126 x 127 x 198	
	Length from upper-edge of DIN-rail	
Weight	2800 g	
<b>Standards and specifications:</b>		
Standards/Specifications	EN 60950-1, EN 61204-3, UL 60950-1, UL 508, GL* (* pending)	