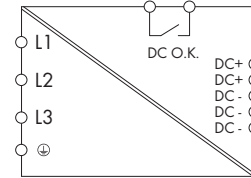


Switched-Mode Power Supply, 3-Phase

EPSITRON® ECO Power



- Natural convection cooling when horizontally mounted
- Enclosed for use in switchgear cabinets
- Fast and tool-free termination via lever-actuated terminal blocks
- DC OK contact
- Parallel operation
- Electrically isolated output voltage (SELV) acc. to EN 60950-1/UL 60950-1

Technical Data

Input:

Nominal input voltage $V_{i, nom}$	3 x (2 x) 400 VAC
Input voltage range	360 ... 460 VAC; 500 ... 650 VDC (no damage up to 575 VAC/800 VDC under normal conditions)
Frequency	47 Hz ... 63 Hz
Input current I_i	3 x 0.6 A at 400 VAC and 6.25 ADC
Power factor	≥ 0.6
Discharge current	< 3.5 mA
Inrush current	< 25 A
Mains failure hold-up time	> 17 ms at 3x 400 VAC

Output:

Nominal output voltage $V_{o, nom}$	24 VDC (SELV)
Output voltage range	22 ... 28 VDC adjustable
Output current I_o	6.25 A at 24 VDC
Factory preset	24 VDC
Adjustment accuracy	1 %
Residual ripple	< 80 mV (peak-to-peak)
Overload behavior	Constant power (in overload range: 1.15 ... 1.4 x I_o); shutdown and automatic restart in the event of a short circuit
Operational indication	Green LED (V_o); Red LED (overload)
Signaling	DC OK contact; Make contact (max. 31.2 V / 20 mA)

Efficiency/Power losses:

Efficiency	87 % typ.
Power loss P_v	18.5 W
Max. power loss P_v	20 W

Fuse protection:

Internal fuse	3 x T 2 A / 250 V
External fuse	3 x circuit breakers 10 A, 16 A, B or C characteristic; or motor circuit breakers; an external DC fuse required for DC input voltage

Environmental requirements:

Ambient operating temperature	-25 °C ... +70 °C
Storage temperature	-40 °C ... +85 °C
Rel. humidity	95% (no condensation permissible)

Description

Switched-mode power supply,
24 VDC / 6.25 A

Item No.

787-738

Pack.
Unit

1

Technical Data

Environmental requirements:

Derating	-2.5 % / K ($> +50$ °C; 400 VAC)
Degree of pollution	2 (acc. to EN 50178)
Climatic category	3K3 (acc. to EN 60721)

Safety and protection:

Test voltage PRI-SEC/PRI-GND/ SEC-GND/SEC-DC OK	3 kV AC / 1.5 kV AC / 0.5 kV AC / 0.5 kV AC
Protection class	I
Degree of protection	IP20 (acc. to EN 60529)
Overvoltage category	II
Overvoltage protection	Yes
Short circuit protection	Yes
No-load proof	Yes
Feedback voltage	30 V
Parallel operation	Yes
Series connection	Yes
MTBF	> 250000 h

Connection and type of mounting:

Wire connection	Input/Output: WAGO 2706 Series Signaling: WAGO 2091 Series
Cross sections	Input/Output: 0.5 mm ² ... 6 mm ² / 20 ... 10 AWG Signaling: 0.2 mm ² ... 1.5 mm ² / 24 ... 14 AWG
Strip lengths	Input/Output: 11 ... 12 mm / 0.43 ... 0.47 in. Signaling: 8 ... 9 mm / 0.31 ... 0.35 in.
Type of mounting	DIN-rail mount (EN 60715)

Dimensions and weight:

Dimensions (mm) W x H x L	50 x 130 x 92
Weight	Length from upper-edge of DIN 35 rail 3500 g

Standards and approvals:

Standards/specifications	EN 60950, EN 61204-3 (Class A), UL 60950*, UL 508* (* pending)
--------------------------	--