

Power supply - regulated, 240 W, 3-phase

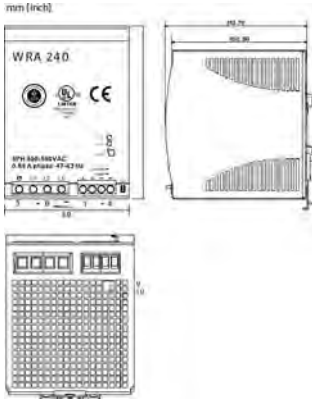
Primary switchmode power supply, PFC, 3-phase

Input: Wide range input AC 340 V - 576 V; DC 480 V - 820 V

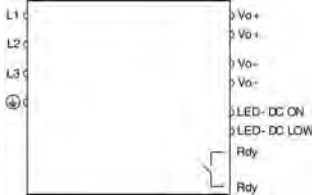
Output: 24-48 V - adjustable



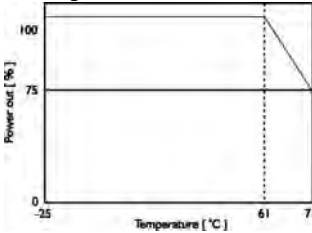
Dimensions



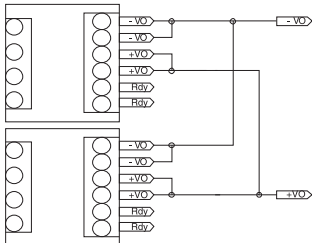
PIN assignment



Derating



Parallel mode



Description	Part-No.	Type	PU	
Screw terminal				
Output voltage/current	DC 24 V; 10 A	722804	WRA 240-24	1
	DC 48 V; 5 A	722808	WRA 240-48	1

Input	WRA 240-24	WRA 240-48
Nominal voltage		3x AC 340-500 V
Operation voltage range	3x AC 340-575 V; 3x DC 480-820 V	
Line frequency	47 - 63 Hz	
Rated current	U _I = AC 380 V: 0.85 A / U _I = AC 500 V: 0.7 A	
Inrush current	20 A	
Internal fuse	3xT2, 0 A / AC 600 V	
External fuse	Mini-circuit breaker: 3x B 5 A	
Power Factor Correction P.F.C.	0.6	

Output	WRA 240-24	WRA 240-48
Rated voltage output		DC 24 V
Rated current output	10 A	5 A
Max. output current	-	
Peak output current	-	
Voltage trim range	22.5/28.5 V	47-56 V
Accuracy	1 %	
Line regulation	±1 %	
Load regulation	Single ±1 %, Parallel ±5 %	
Rise time	1 s	
Temperature coefficient	±0.03 % / °C	
Ripple & Noise	100 mV	
Hold up time	min. 20 ms	
Status indication DC ON LED green	≥17.6-19.4 V	≥37-43 V
Status indication DC LOW LED red	≤17.6-19.4 V	≤37-43 V
Parallel mode	yes, max. 2 units at 90% load current, manual switch S/P	
Efficiency	90 %	91 %
Low power loss	30 W	24 W
Rated over load protection	115 - 135 %, temperature: disconnection at 100-110°C and automatic activation when cool off	

Over voltage protection	125-137 %	125-142 %
Short circuit characteristics	Hiccup-mode	

General		
Switching frequency	approx. 25 kHz	
Insulation voltage input/output	AC 3.0 kV _{eff}	
Insulation voltage input / ground	AC 1.5 kV _{eff}	
Insulation voltage output / ground	-	
Insulation resistance at DC 500 V	100 MΩ	
Operation temperature range	-25 °C - 71 °C (derating)	
Derating	Capacity: -2.5% / °C starting at +61 °C	
Storage temperature range	-25 °C - 85 °C	
M.T.B.F.	488000 h	519000 h
Relative humidity	20-95% RH	
Dimensions (w x h x d) in mm	89.0 x 123.6 x 117.5	
Cooling	Air convection	
Housing material	Metal	
Field installation	rail TS 35 (EN 50022)	
Application height	3000 m	
Installation position	vertical	
Protection class	IP 20	
Overvoltage category	II	
Pollution degree	2	
Protection class	-	
Weight (kg/piece)	1.100	
Termination	Screw terminal: 0.2-5.0 mm ²	
Approvals	UL: UL 508 listed; cUL: UL 60950-1 accepted; TÜV: EN 60950-1, CE: EN 61000-6-3 / EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 55024	

Monitoring		
DC ON Control (Rdy)	Normally open	-
Switching voltage	DC 60 V	-
Switching current	max. 300 mA	-
Switching capacity	-	-
Insulation voltage	DC 500 V	-