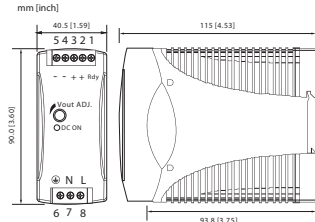


Power supply · regulated, 30 W

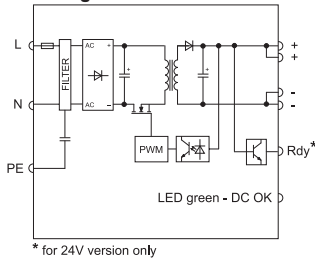
Switchmode power supply, Single-phase, Class 2
Input: wide-range input AC 85–264 V, DC 90–375 V
Output: 5 V / 12 V / 24 V / 48 V, adjustable



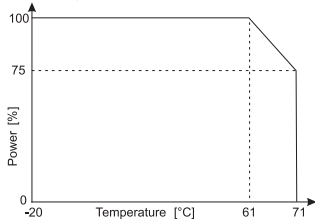
Dimensions



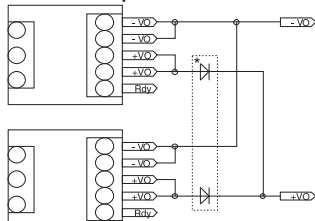
PIN assignment



Derating



Redundant operation



* Redundant Module 722987
 Only use together with 24 V version!

Description	Part-No.	Type	PU	
Screw terminal				
Output voltage/current	DC 5 V / 6 A	722763	DRA30-5A	1
	DC 12 V / 2.5 A	722768	DRA30-12A	1
	DC 24 V / 1.25 A	722753	DRA30-24A	1
	DC 48 V / 0.625 A	722775	DRA30-48A	1

Input	DRA30-5A	DRA30-12A	DRA30-24A	DRA30-48A
Nominal voltage	AC 100–240 V			
Operation voltage range	AC 85–264 V / DC 90–375 V			
Line frequency	47 – 63 Hz			
Rated current	U _i = AC 115 V: 360 mA / U _i = AC 230 V: 190 mA			
Inrush current	U _i = AC 115 V: 20 A / U _i = AC 230 V: 40 A			
Internal fuse	T2 A / AC 250 V			
External fuse	Mini-circuit breaker: B 4 A			
Power Factor Correction P.F.C.	–			

Output	DRA30-5A	DRA30-12A	DRA30-24A	DRA30-48A
Rated voltage output	DC 5 V	DC 12 V	DC 24 V	DC 48 V
Rated current output	6 A	2.5 A	1.25 A	0.625
Max. output current	–			
Short-circuit current	–			
Voltage trim range	5–5.5 V	12/14 V	24/28 V	48/55 V
Accuracy	±1 %			
Line regulation	±0.5 %			
Load regulation	±0.5 %			
Rise time	1 s			
Temperature coefficient	±0.03 % / °C			
Ripple & Noise	<50 mV			
Hold up time	V _{in} = 115 V: 20 ms / V _{in} = 230 V: 30 ms			
Status indication DC ON LED green	≥4 V	≥9.6 V	≥19.2 V	≥37 V
Status indication DC LOW LED red	–			
Parallel/redundant operation	max. 2 devices / via external diodes			
Efficiency	79 %	84 %	86 %	
Low power loss	8.5 W (AC 230 V)	5.6 W (AC 230 V)	5.5 W (AC 230 V)	4.9 W (AC 230 V)
Rated over load protection	120 – 136 %		110 – 140 %	
Over voltage protection	125–137 %			
Short circuit characteristics	Hiccup-mode			
General				
Switching frequency	approx. 80 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 – 70 °C (derating)			
Derating	–2.5% / °C starting at 60 °C			
Storage temperature range	–25 °C – 85 °C			
M.T.B.F.	551000 h	582000 h	588000 h	609000 h
Relative humidity	20–90% RH, non-condensing			
Dimensions (w × h × d) in mm	40.5 × 90.0 × 115.0			
Cooling	Natural air cooling, 25 mm distance on all sides			
Housing material	Plastic			
Shock resistance	–			
Vibration resistance	–			
Field installation	rail TS 35 (EN 50022)			
Application height	2000 m			
Installation position	vertical			
Protection class	IP 20			
IP rating	II (SELV, PELV)			
Overvoltage category	II			
Pollution degree	2			
Weight (kg/piece)	0.290			
Termination	Screw terminal: 0.2–2.5 mm ² , max. 0.56 Nm			

Approvals
 UL: UL 508 listed; cUL: UL 60950-1, UL 1310 Class 2; TÜV: EN 60950-1, CE: EN 61000-6-3 / EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11

Monitoring			
DC ON Control (Rdy)	–	Open Collector	–
Switching voltage	–	DC 24 V	–
Switching current	–	≤ 35 mA	–
Switching capacity	–	–	–
Insulation voltage	–	none	–