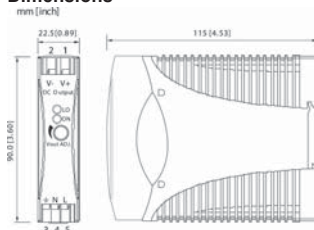


# Power supply · regulated, 18 W

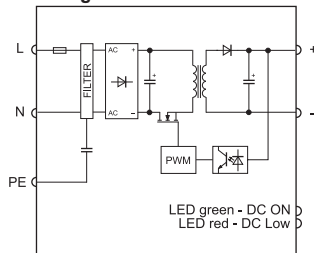
**Switchmode power supply, Single-phase, Class 2**  
**Input: wide-range input AC 90–265 V, DC 120–370 V**  
**Output: 12 V / 15 V / 24 V, adjustable**



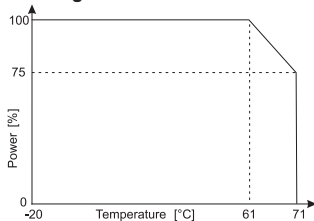
## Dimensions



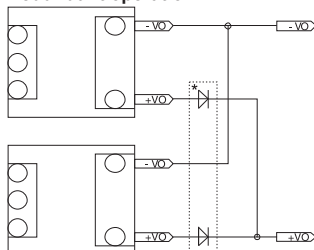
## PIN assignment



## Derating



## Redundant operation



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

Description	Part-No.	Type	PU	
<b>Spring terminal</b>				
Output voltage/current	DC 12 V / 1.5 A	722767	DRA18-12	1
	DC 15 V / 1.2 A	722774	DRA18-15	1
	DC 24 V / 0.75 A	722752	DRA18-24	1
<b>Input</b>				
	<b>DRA18-12</b>	<b>DRA18-15</b>	<b>DRA18-24</b>	
Nominal voltage	AC 100–240 V			
Operation voltage range	AC 90–265 V / DC 120–370 V			
Line frequency	47 – 63 Hz			
Rated current	U <sub>i</sub> = AC 115 V: 200 mA / U <sub>i</sub> = AC 230 V: 110 mA			
Inrush current	U <sub>i</sub> = AC 115 V: 10 A / U <sub>i</sub> = AC 230 V: 18 A			
Internal fuse	T2 A / AC 250 V			
External fuse	Mini-circuit breaker: B 4 A			
Power Factor Correction P.F.C.	–			
<b>Output</b>				
Rated voltage output	DC 12 V	DC 15 V	DC 24 V	
Rated current output	1.5 A	1.2 A	0.75 A	
Max. output current	–			
Short-circuit current	–			
Voltage trim range	10.8–13.8 V	13.5–17.25 V	21.6–28.8 V	
Accuracy	±1 %			
Line regulation	±1 %			
Load regulation	±2 %			
Rise time	1 s			
Temperature coefficient	±0.03 % / °C			
Ripple & Noise	<50 mV			
Hold up time	U <sub>i</sub> = 115 V: 20 ms / U <sub>i</sub> = 230 V: 75 ms			
Status indication DC ON LED green	≥10.8 V	≥13.5 V	≥21.6 V	
Status indication DC LOW LED red	<9–10.8 V	<11.25–13.5 V	<18–21.6 V	
Parallel/redundant operation	max. 2 devices / via external diodes			
Efficiency	77 %			
Low power loss	4.65 W (AC 230 V)	4.25 W (AC 230 V)	4.45 W (AC 230 V)	
Rated over load protection	110–135 %			
Over voltage protection	125–145 %			
Short circuit characteristics	Hiccup-mode			
<b>General</b>				
Switching frequency	approx. 100 kHz			
Insulation voltage input/output	AC 3.0 kV <sub>eff</sub>			
Insulation voltage input / ground	AC 1.5 kV <sub>eff</sub>			
Insulation voltage output / ground	–			
Insulation resistance at DC 500 V	100 MΩ			
Operation temperature range	-20 °C – 70 °C (derating)			
Derating	-3% / °C starting at 60 °C			
Storage temperature range	-25 °C – 85 °C			
M.T.B.F.	797000 h	796000 h	800000 h	
Relative humidity	20–95% RH, non-condensing			
Dimensions (w × h × d) in mm	22.5 × 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)	0.150			
Termination	Spring terminal: 0.2–2.0 mm <sup>2</sup>			
Approvals	UL: UL 508 listed; cUL: UL 60950-1, UL 1310 Class 2; TÜV: EN 60950-1, CE: EN 50081-1 / EN 55022 Class B, EN 61000-3-2, EN 601000-3-3, EN 50082-1 / EN 55024 Class I, Division 2, Groups A, B, C and D			
<b>Monitoring</b>				
DC ON Control (Rdy)	LED green/red			
Switching voltage	–			
Switching current	–			
Switching capacity	–			
Insulation voltage	–			