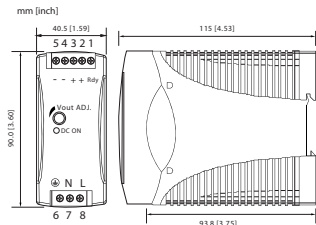


# Power supply · regulated, 30 W

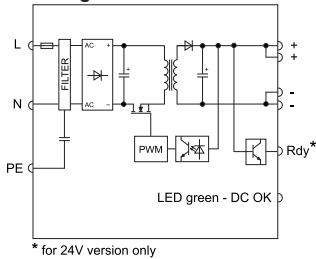
**Primary switchmode power supply, Single-phase, Class 2**  
**Input: wide-range input AC 85–264 V, DC 90–375 V**  
**Output: 5 V / 12 V / 24 V / 48 V, adjustable**



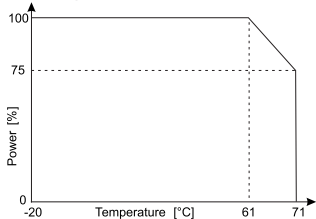
## Dimensions



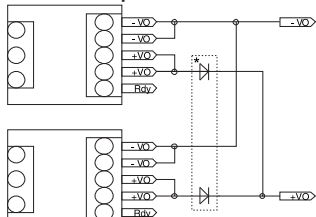
## PIN assignment



## Derating



## Redundant operation



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

Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Output voltage/current	DC 5 V/ 6 A	722763	DRA 30-05A	1
	DC 12 V/ 2.5 A	722768	DRA 30-12A	1
	DC 24 V/ 1.25 A	722753	DRA 30-24A	1
	DC 48 V/ 0.625 A	722775	DRA 30-48A	1

Input	DRA 30-05A	DRA 30-12A	DRA 30-24A	DRA 30-48A
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 <sub>i</sub> = AC 115 V: 360 mA / U <sub>i</sub> = AC 230 V: 190 mA			
Inrush current	U <sub>i</sub> = AC 115 V: 20 A / U <sub>i</sub> = 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	DRA 30-05A	DRA 30-12A	DRA 30-24A	DRA 30-48A
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 <sub>in</sub> = 115 V: 20 ms / V <sub>in</sub> = 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 <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	–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			
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 <sup>2</sup> , 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			

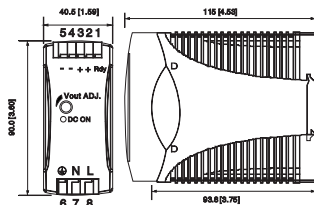
Monitoring				
DC ON Control (Rdy)	–	Open Collector		–
Switching voltage	–	DC 24 V		–
Switching current	–	≤ 35 mA		–
Switching capacity	–	–		–
Insulation voltage	–	none		–

# Power supply · regulated, 30 W

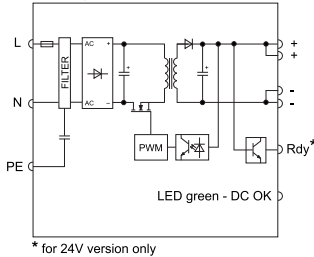
**Primary switchmode power supply, Single-phase, Class 2**  
**Input: wide-range input AC 85–264 V, DC 90–375 V**  
**Output: 5 V / 12 V / 24 V / 48 V, adjustable**



## Dimensions

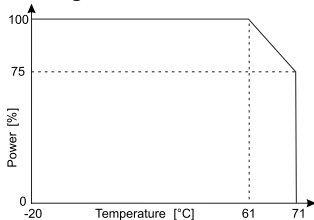


## PIN assignment

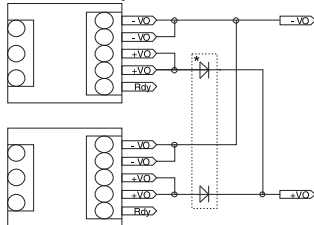


\* for 24V version only

## 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 5 V / 6 A	728763	DRA 30-05	1
	DC 12 V / 2.5 A	728768	DRA 30-12	1
	DC 24 V / 1.25 A	728753	DRA 30-24	1
	DC 48 V / 0.625 A	728775	DRA 30-48	1

Input	DRA 30-05	DRA 30-12	DRA 30-24	DRA 30-48
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 <sub>I</sub> = AC 115 V: 360 mA / U <sub>I</sub> = AC 230 V: 190 mA			
Inrush current	U <sub>I</sub> = AC 115 V: 20 A / U <sub>I</sub> = 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	DRA 30-05	DRA 30-12	DRA 30-24	DRA 30-48
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 <sub>in</sub> = 115 V: 20 ms / V <sub>in</sub> = 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	110–140 %			
Over voltage protection	120–136 %	125–137 %		
Short circuit characteristics	Hiccup-mode			

General	DRA 30-05	DRA 30-12	DRA 30-24	DRA 30-48
Switching frequency	approx. 80 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	–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			
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	Spring terminal: 0.2–2.0 mm <sup>2</sup>			
Approvals	UL: UL 508 listed; cUL: UL 60950-1; 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	DRA 30-05	DRA 30-12	DRA 30-24	DRA 30-48
DC ON Control (Rdy)	–	Open Collector		–
Switching voltage	–	DC 24 V		–
Switching current	–	≤ 35 mA		–
Switching capacity	–	–		–
Insulation voltage	–	none		–