

## Datasheet

# RS PRO Compact Economy, regulated, 120 W

Stock No: 192-7573



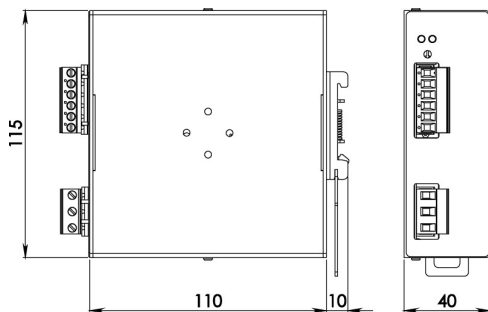
## Technical Specifications:

Input	
Number of phases	1
Rated voltage $U_N$	AC 120/240 V
Operation voltage range	AC 85–264 V / DC 110–345 V
Line frequency	47–63 Hz
Rated current $I_N$	2.1 A @ AC 120 V / 1.2 A @ AC 240 V
Inrush current	<40 A
Internal fuse	T3, 15 A/AC 250 V
External fuse	Mini-circuit breaker: C 6 A
Power factor correction P.F.C.	>0.6

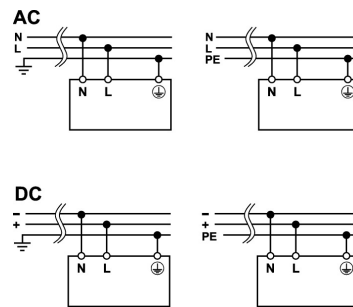
## Features & Benefits:

- 1 piece
- Power supply
- Compact Economy, regulated, 120 W
- Primary switchmode power supply, PFC, Single-phase
- Input: wide-range input AC 85–264 V, DC 110–345 V
- Output: DC 24 V, adjustable

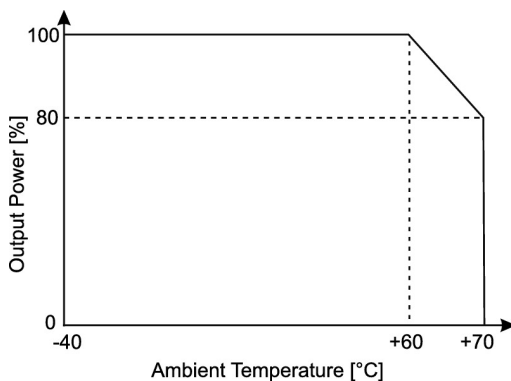
## Dimensions



## PIN assignment

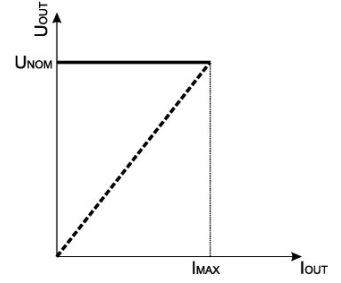


## Derating

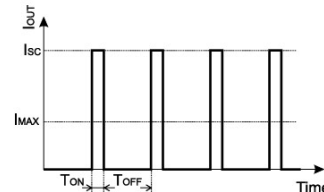


## Short circuit characteristics

Hiccup limitation output characteristic



Short circuit conditions



# Technical Data

Input	
Number of phases	1
Rated voltage $U_N$	AC 120/240 V
Operation voltage range	AC 85–264 V / DC 110–345 V
Line frequency	47–63 Hz
Rated current $I_N$	2.1 A @ AC 120 V / 1.2 A @ AC 240 V
Inrush current	<40 A
Internal fuse	T3, 15 A/AC 250 V
External fuse	Mini-circuit breaker: C 6 A
Power factor correction P.F.C.	>0.6

Output	
Rated voltage $U_N$	DC24V
Rated current $I_N$	5 A
Max. output current	7 A, 30 s
Heat dissipation	<18 W
Setting range $U_{out\ min.}/U_{out\ max.}$	DC 23–28 V
Load regulation	<1 %
Ripple and Noise	<60 mV
Hold up time	>10 ms @ AC 120 V / >60 ms @ AC 230 V
Status indication DC ON LED green	$\geq 21.6$ V
Status indication DC LOW LED red	$\leq 21.6$ V
Parallel / redundant mode	yes/via external decoupling diode e.g. 722999
Efficiency	>87 %
Overtemperature protection	yes
Over voltage protection	>DC 33 V ( $U_A=24$ V)
Short circuit	Hiccup Mode

# Technical Data

Monitoring	
DC ON Control (Rdy)	N/O contact
Switching voltage	AC 300 V / DC 150 V
Switching current	AC/DC 1 A
Switching capacity	300 VA / 30 W
Isolation voltage	AC 500 V

General	
Insulation voltage input / output	DC 4.2 kV
Insulation voltage input / ground	DC 2.2 kV
Insulation voltage output / ground	DC 750 V
Derating	>60 °C: -2.4 W/°C
Operation temperature range	-40 °C ... +70 °C (UL certified up to +60 °C)
Storage temperature range	-40°C...80°C
Cooling	Air convection, 50 mm distance top/bottom, 20 mm side
Housing material	Aluminum
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	vertical
Protection class	IP20 (IEC 529 / EN 60529)
Protection class	I
Over voltage category	III
Degree of pollution	2
Weight	0,4 kg/piece
Connection type	Screw terminal
	0.20 mm <sup>2</sup> – 2.5 mm <sup>2</sup>
	plug-in

## Technical Data

General	
Dimensions (w × h × d)	40×115×134 mm
Certifications	cULus (E249179)
Standards	IEC 950
	EN 60950
	UL 60950
	EN 61000-6-2
	EN 61000-6-4
	EN 61000-4-2/3/4/5/6/11
PU	1 piece