

## PROeco PRO ECO 72W 24V 3A

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You are looking for a reliable power supply with basic functions.

With PROeco we can offer you low-cost switch-mode power supply units with high efficiency and system capability. Let's connect. In the series production of machines, in particular, switch-mode power supply units with above-average performance values can deliver genuine competitive advantages.

The low-cost PROeco series offers all the basic functions and delivers impressively high performance and flexibility.

Our PROeco switch-mode power supply units feature a compact design, high efficiency and are extremely easy to maintain. Thanks to temperature protection, short-circuit and overload resistance they can be universally used in all applications.

Wide-ranging safety functions and compatibility with our diode and capacitance modules, together with UPS components for setting up a redundant power supply, characterise solutions with PROeco.

### General ordering data

Type	PRO ECO 72W 24V 3A
Order No.	<a href="#">1469470000</a>
Version	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4050118275711
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Width	34 mm	Height	125 mm
Depth	100 mm	Net weight	578 g

**Temperatures**

Operating temperature	-25 °C...70 °C	Storage temperature	-40 °C...85 °C
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**Input**

AC current consumption	0,55 A @ 230 V AC / 1,04 A @ 110 V AC	AC input voltage range	85...264 V AC (Derating @ 100 V AC)
Connection system [Input]	Screw connection	DC current consumption	0,22 A @ 370 V DC / 0,68 A @ 120 V DC
DC input voltage range	80...370 V DC (Derating @ 120 V DC)	Frequency range AC	47...63 Hz
Input frequency	47...63 Hz	Input fuse (internal)	Yes
Inrush current	max. 40 A	Rated input voltage	100...240 V AC (wide-range input)
Recommended back-up fuse	2 A / DI, safety fuse 6 A, Char. B, circuit breaker 2...4 A, Char. C, circuit breaker		

**output**

Capacitive load	unrestricted	Connection system [Output]	Screw connection
Continuous output current @ $U_{Rated}$	3 A @ 55 °C, 2,25 A @ 70 °C	Output voltage	24 V
Output voltage	22...28 V (adjustable via potentiometer)	Overload protection	Yes
Parallel connection option	yes, max. 5	Protection against inverse voltage	Yes
Ramp-up time	≤ 100 ms	Rated (nominal) output current @ $U_{Nom}$	3 A at 55 °C
Rated output voltage	24 V DC ± 1 %	Residual ripple, breaking spikes	< 50 mV <sub>SS</sub> @ 24 V DC, $I_N$

**General data**

AC failure bridging time @ $I_{Nom}$	> 100 ms @ 230 V AC / > 20 ms @ 115 V AC	Degree of efficiency	87 %
Earth leakage current, max.	1 mA	Housing version	Metal, corrosion resistant
Indication	LED green ( $U_{output} > 21.6$ V DC), LED yellow ( $I_{output} > 90\% I_{Rated}$ typ. ), LED red (overload, overtemperature, short-circuit, $U_{output} < 20.4$ V DC)	MTBF	> 500,000 h acc. to IEC 1709 (SN29500)
Max. perm. air humidity (operational)	5 %...95 % RH	Mounting position, installation notice	horizontally, on terminal rail TS 35
Operating temperature	-25 °C...70 °C	Power factor (approx.)	> 0.5 @ 230 V AC / > 0.53 @ 115 V AC
Power loss, idling	4 W	Power loss, nominal load	9.5 W
Protection against over-heating	Yes	Short-circuit protection	Yes