

PROeco PRO ECO 240W 24V 10A

Weidmüller Interface GmbH & Co. KG

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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 240W 24V 10A
Order No.	1469490000
Version	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4050118275599
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	60 mm	Width (inches)	2.362 inch
Height	125 mm	Height (inches)	4.921 inch
Depth	100 mm	Depth (inches)	3.937 inch
Net weight	1,018.5 g		

Temperatures

Operating temperature, max.	70 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-25 °C...70 °C	Storage temperature	-40 °C...85 °C

Input

AC current consumption	1,23 A @ 230 V AC / 2,47 A @ 110 V AC	AC input voltage range	85...264 V AC (Derating @ 100 V AC)
Connection system	Screw connection	DC current consumption	1,18 A @ 370 V DC / 2,4 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. 15 A	Rated input voltage	100...240 V AC (wide-range input)
Recommended back-up fuse	4 A / DI, safety fuse 10 A, Char. B, circuit breaker 3...4 A, Char. C, circuit breaker	Surge protection	Varistor

output

Capacitive load	unrestricted	Connection system	Screw connection
Continuous output current @ U_{Rated}	10 A @ 55 °C, 7.5 A @ 70 °C	Output power	240 W
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}	10 A @ 55 °C	Rated output voltage	24 V DC ± 1 %
Residual ripple, breaking spikes	< 50 mV _{SS} @ 24 V DC, I_N		