

Irinos IR-PU-CUS

Power supply for the Irinos-System



- Suitable for all Master-Boxes of the type -EPI with M12 L-coded.
(Not suitable for older types -ETHIL.)
- Small version: 30 W output power
Large version: 80 W output power (100W short peak)
- Input voltage 90-264V AC / 47-63 Hz
- Protection class IP65
- Industrial premium power supply with long lifetime



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Irinos IR-PU-CUS

Supply for multiple Irinos Boxes

The power supply IR-PU is able to supply multiple Irinos Boxes. Its 24 V DC output is connected to the Irinos system via a connector M12 L-coded.

The power consumption of the Irinos Boxes depends on the probes and sensors, which are connected to them. Without these, the typical load of an Irinos-Box is 3-4 W. For further details, please consult the respective datasheets.

Application notes

- Exactly one power supply is allowed per Irinos-System.
- This power supply is only suitable for Master-Boxes of the type -EPI. Further details are shown in the following selection guide.
- Please note:
The power supply IR-PU-30-CUS-xx has a depth of 33 mm.
The power supply IR-PU-80-CUS-xx has a depth of 57 mm.
Standard Irinos-Boxes have a depth of 33 mm.
- If external loads are switched (e.g. a valve via a digital output), the power supply can be overloaded by short peaks. If required, use a more powerful supply.



Irinos IR-PU-CUS

Selection Guide

The power supply IR-PU-CUS is only suitable for newer Master-Boxes of the type -EPI.

It depends on the Irinos system, if the power supply IR-PU-CUS fits.



Typ -EPI

Master-Box with Ethernet-Interface

- **Fits!**
Use a power supply of the type IR-PU-...-**CUS**-..



Typ -IL

Slave-Box for system expansion

- Fits, if a Master-Box of the type -EPI is used.



Typ -ETHIL

Master-Box with Ethernet interface

--> Older systems.

- **Does not fit.**
- Use a power supply of the type IR-PU-...-HWS-..



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Specifications

Input	
Voltage range	85 - 265 V AC (47 - 63 Hz)
Efficiency (typical)	> 87 %
UL-certified	internal power supply: yes, Device IR-PU: no

Output, 30W Type	
Nominal voltage	24 V DC
Max. current	1,25 A
Ripple	max. 150 mV
Rated power	30 W
Hold time	100ms @ 230V / 20ms @115V
Temperature range	0 .. 45°C 0 .. 70°C storage
Dimensions	160 x 98 x 33 mm (H x W x D)

Output, 80W Type	
Nominal voltage	24 V DC
Max. current	4,16 A
Ripple	max. 250 mV
Rated power	80 W, short peak: 100 W
Hold time	100ms @ 230V / 20ms @115V
Temperature range	0 .. 45°C 0 .. 70°C storage
Dimensions	160 x 98 x 57 mm (H x W x D)

Casing	
	Aluminium designer housing, black anodized, rear plate clear anodized, front plate with cover foil
IP protection class	IP65 if appropriate connectors are used. Exception: Mains plug
Mounting (standard)	2 tapped bushes M4 on rear side
Mounting options	<ul style="list-style-type: none">○ adaption for DIN rail mounting○ adaption for aluminium mounting 40mm, Item or similar○ adaption for front side mounting

Miscellaneous	
Electric protection class	I (Grounding via protectional earth of Mains plug)
Status indication	Status-LED (green) for „power supply active“
Output connector	At the output connector M12 L-coded only the voltage Us is connected, which is sufficient for the Irinos system.



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Ordering information

Irinos power supply		
Order-No.	Description	Status
828-5046	IR-PU-30-CUS-F Input: 115 / 230 V AC Output: 24 V DC via M12 L-coded Power: 30 Watt Case depth: 33mm (Standard) Connector: European „Schuko connector“ (type F)	Preferred type
828-5083	IR-PU-80-CUS-F Input: 115 / 230 V AC Output: 24 V DC via M12 L-coded Power: 80 Watt Case depth: 55mm (Extra depth) Connector: European „Schuko connector“ (type F)	Preferred type
828-5082	IR-PU-30-CUS-D Input: 115 / 230 V AC Output: 24 V DC via M12 L-coded Power: 30 Watt Case depth: 33mm (Standard) Connector: Type D, e.g. for India	Available
828-5088	IR-PU-80-CUS-D Input: 115 / 230 V AC Output: 24 V DC via M12 L-coded Power: 80 Watt Case depth: 55mm (Extra depth) Connector: Type D, e.g. for India	Available

Power supplies with mains connectors for other countries (e.g. USA/Mexico, China) are available on request.

Accessories labelling and mounting		
Order-No.	Description	Status
828-5041	IR-MHRM-1 Adapter for hat rail mounting	Preferred type
828-5042	IR-MFFM-1 Front-side mounting kit	Preferred type
828-5043	IR-MITEM-40 Mounting bracket for aluminium profile 40mm (Item or similar)	Preferred type
828-5044	IR-MWIP-40 Stand for aluminium profile 40mm (Item or similar)	Available



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