

EY-PS 021: Power supply unit

How energy efficiency is improved

Efficient switched-mode power supply units for supplying power to automation stations, I/O modules and field devices in building automation.

Features

- Optimal for use with SAUTER EY-modulo 5 system family
- Variable input voltage
- Output short-circuit-proof
- Flat DIN rail housing for small distribution boxes

Technical data

Power supply		
Power supply		85...264 V~; 44...66 Hz
Start-up current limitation		< 30 A, NTC
Internal input fuse		2 A (slow-blow)
Recommended pre-fuses, LS switch		6 A, 10 A, 16 A, characteristic B, C
Connection		Spring-type terminals 0.5...2.5 mm ² stiff/flexible
Ambient conditions		
Operating temperature		-25...55 °C
Derating		-3% / K > 45 °C
Storage and transport temperature		-25...85 °C
Admissible ambient humidity		10...85 % rh, no condensation
Output		
Output voltage		24 V=, ±2%
Setting range		22.8...26.4 V=
Resistance to reverse feed		30 V=
Overload behaviour		Stabilized current
Ripple factor (nominal load)		Typ.100 mVss
LED indicator		Green, device ready for operation
Connection		Spring-type terminals 0.5...2.5 mm ² stiff/flexible
Construction		
Fitting		DIN rail as per EN 60715, type TH 35 x 7.5/15 DIN rail housing DIN 43880
Standards and directives		
Type of protection		IP00 (EN 60529), connections and terminals IP30 (EN 60529), front in DIN cut-out
Protection class		II (EN 60730-1)
CE conformity according to	EMC Directive 2014/30/EU	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
	Low-Voltage Directive 2014/35/EU	EN 60950

Overview of types

Type	EY-PS021F011	EY-PS021F021	EY-PS021F041
Output current with vertical/random fitting position	1.3 / 0.9 A	2.5 / 1.6 A	4.0 / 2.4 A
Current consumption (110/230 V~)	0.7 / 0.4 A	1.4 / 0.6 A	1.6 / 0.9 A
Efficiency	Typ.82%	Typ.88%	Typ.88%
Dimensions W x H x D	54 x 89 x 59 mm	72 x 89 x 59 mm	90 x 89 x 59 mm
Weight	0.17 kg	0.24 kg	0.3 kg



EY-PS021F011



EY-PS021F021



EY-PS021F041



Description of operation

The EY-PS021 family of power supply units comprises a range of highly efficient, primary-pulsed switched-mode power supplies for supplying building automation units. The wide input voltage rate enables worldwide usage, both in 230 V and 110 V or 115 V networks. The flat design of the DIN rail devices makes the power supply units suitable for fitting in small distribution boxes and cabinets.

Intended use

This product is only suitable for the purpose intended by the manufacturer, as described in the "Description of operation" section. All related product documents must also be adhered to. Modifying or converting the product is not admissible.

Additional information

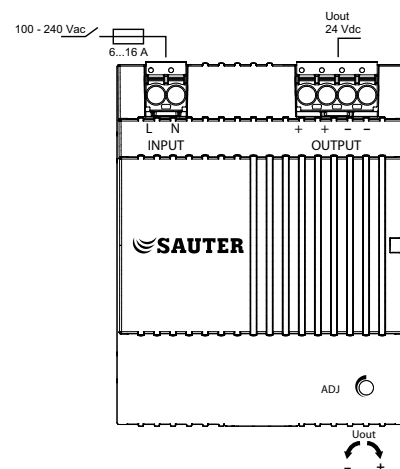
Technical information

Fitting instructions	P100015193
Declaration on materials and the environment	MD 94.080

Disposal

The local, currently valid laws must be observed when disposing of the device. You will find more information on the materials and substances in the Declaration on materials and the environment for this product.

Connection diagram



Dimension drawing

