

EY-PS 031: Power supply, DIN rail, 230 V / 24 VDC

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

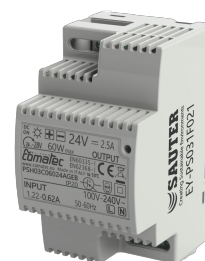
- Optimum power supply for the SAUTER modulo and ecos system families and the SAUTER field devices
- Modern, efficient switching power supply with quasi-resonant flyback converter principle
- High efficiency and minimum idle power (standby)
- Variable input voltage
- Controlled output voltage with tolerance of $\pm 3\%$ with mains voltage fluctuations of $\pm 10\%$
- Output short-circuit proof with HICCUP mode, without overshoot when switching on
- Compact DIN rail housing ideal for DIN rail mounting in standard small distribution boxes or cabinets
- High reliability

Technical data

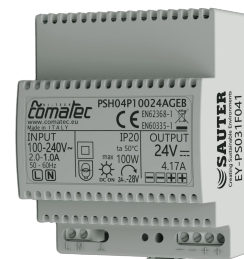
Power supply		
	Input voltage (SELV)	110...240 VAC, 45...65 Hz
Ambient conditions		
	Operating temperature	-10...50 °C
	Storage and transport temperature	-40...85 °C
	Ambient humidity	0...95% rh, no condensation
Output		
	Output voltage	24 VDC $\pm 3\%$
	Setting range	24...28 VDC
	Overload behaviour ¹⁾	HICCUP mode
	LED indicator	Green (device ready for operation)
Construction		
	Connection terminals	Screw terminals 0.5...2.5 mm ² rigid/flexible
	Fitting	DIN rail as per EN 60715 Type TH 35 × 7.5/15 DIN rail housing DIN 43880
Standards, directives		
	Type of protection	IP20 (EN 60529)
	Protection class	II (EN 60730-1)
CE conformity according to	EMC Directive 2014/30/EU	EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-3, EN 55032 Class B, EN 55035
	Low-Voltage Directive 2014/35/EU	EN 62368-1, EN 60335
	RoHS-D 2011/65/EU & 2015/863/EU (CE)	EN IEC 63000



EY-PS031F011



EY-PS031F021



EY-PS031F041

¹⁾ HICCUP: Halt or inhibit on overcurrent and overvoltage protection



Overview of types

Type	Nominal rating	Nominal current	Efficiency	Dimensions W × H × D	Weight
EY-PS031F011	30 W	1.25 A	86.5%	36 (2 HP) × 94 × 68 mm	130 g
EY-PS031F021	60 W	2.5 A	91.7%	52.5 (3 HP) × 95 × 68 mm	210 g
EY-PS031F041	100 W	4.16 A	92.1%	72 (4 HP) × 93 × 68 mm	240 g

⚡ 1 HP = one horizontal pitch with 17.5 mm

Type	Manufacturer/supplier's original type designation: Comatec® PSH series
EY-PS031F011	PSH02P03024AGEB
EY-PS031F021	PSH03C06024AGEB
EY-PS031F041	PSH04P10024AGEB

⚡ The original data sheets from Comatec Hi-Tech S.r.l., www.comatec-hitech.com, are legally binding