

ALC01.H (DIN rail, 24V (48V), 50W)

GENERAL POWER SUPPLY

- Universal Power Supply 100-265V ~ 50 / 60Hz
- Output voltage 24V/48V, output power 50-140W
- Use in an industrial environment from -25°C - +60°C
- Galvanic isolation, grounding terminal for Vout grounding
- Long life used components
- Mounting type: DIN rail
- Standards: EN 60950, EN 55022, EN 61000-3-2



Power supplies of ALCxx.H type are used to supply devices with 24V (48V, 54.5V, 55.2V) output voltage up to 140W output power. The unit allows long life operation in industrial environments from -25°C up to +60°C ambient temperature. Class D surge protection, short-circuit protection and galvanically isolated output are some of main features of the power supplies. ALC04 type additionally has an active PFC and output with IU voltage characteristic, which makes it suitable for operation with a backup battery (via an ABL01 module).

The LED on the front panel indicates the power supply operation.

Model specification:

- ALCxx.H XXYYY – xx = type, H = DIN rail mounting, XX = nominal output voltage, YYY = max. output current.

The ALCxx is designed for DIN rail mounting. The 3-wire input plug allows a connection with wire cross-section up to 2.5 mm². Output plug allow connection with wire cross-section up to 2.5 mm². Types ALC02, ALC03 ALC04 have extra output terminals doubled with a drafted PE (protective earth) terminal.

MODEL SPECIFICATIONS	ALC01.H 2402	ALC01.H 4801	ALC02.H 48015	ALC03.H 5502	ALC04.H 55025
Input voltage	230V~50Hz	100-265V~50/60Hz	100-240V~50/60Hz	230V~50Hz	100-240V~50/60Hz
Output voltage	24V(2A)	48V(1A)	48V(1.5A)	54,5V(2A)	55.2V(2.5A)
Output power	50W	50W	70W	110W	140W
Dielectric strength input/output	4kV	4kV	4kV	4kV	4kV
Operating temperature	-25°C - +60°C	-25°C - +60°C	-25-+60°C	-25-+50°C	-25-+50°C
Local signalization	LED	LED	LED	LED	LED – presence of output voltage (Vout >36V)
Efficiency	88%	91%	90%	88%	92%
Output voltage ripple	100mV	150mV	150mV	250mV	250mV
Short circuit resistance	2.2A	1.1A	1.6A	2.2A	2.6A
Output voltage stability	4%	4%	4%	1%	1%
Mounting type	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail
Dimensions W x H x D (mm)	71x90x68	71x90x68	106x90x68	106x90x68	106x90x68
Weight (kg)	0.28 kg	0.28 kg	0.33kg	0.47kg	0.34kg
Degree of protection	IP20	IP20	IP20	IP20	IP20
Part No.	IP.2121.633.33	IP.2121.633.34	IP.2121.633.48	IP.2131.633.49	IP.2131.633.50