

EAN CODE : 3760244880291

24 V REMOTE-SENSING

ALE2401



**PRECISE** : Output ripple < 3 mV rms.

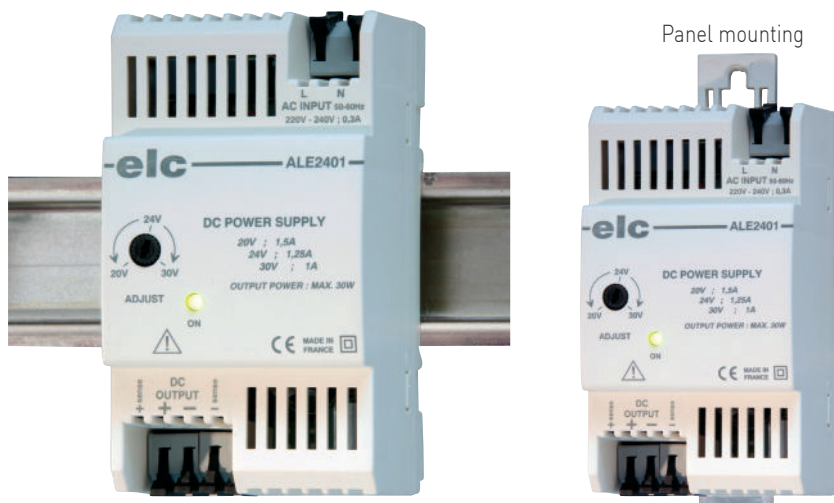
- Remote sensing to overcome voltage drop in the power lines.

**PRACTICAL** : Output voltage adjustable from 20 to 30 V.

- Spring terminal block.

**PROTECTED** : Short circuit protection.

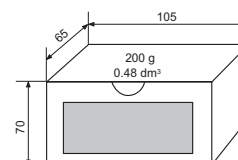
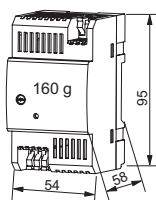
**EASY** : Direct DIN rail or panel mounting.



**30 WATTS**

24 V (Adj. 20 to 30 V)

1,25 A



## Specifications

### Voltage

- Floating outputs on spring terminal block for 2,5 mm<sup>2</sup> (AWG12) wires
- Output voltage : adjustable from 20 to 30 V.
- Regulation : < 20 mV for a load variation from 0 to 100%  
5 mV for a line variation from -10 to +10%.
- Ripple : < 3 mV rms including :  
3 mV peak to peak of the signal at 65 kHz  
< 4 mV peak to peak of the signal at 100 Hz  
< 20 mV peak to peak of switching spikes
- Hold-up time : 50 ms at full load (230 V line input)
- Indicator : green power-on LED indicator

### Current

- Max I : 1,5 A at 20 V  
1,25 A at 24 V  
1 A at 30 V

### Power

- Max output power : 30 W

### Protections

- Against short-circuits by circuit breaker with automatic reset
- Against transients on the primary circuit by varistor
- Against overcurrent on primary circuit by fuse

### Remote sensing

- Correction of the voltage drop in the wires (4 wires method)
- Input on disconnect scribe terminal blocks for 2,5 mm<sup>2</sup> wires (AWG12)
- Correction : Max 3 V (1,5 V per wire)
- Ripple : < 30 mV for a load variation from 0 to max.

## Other specifications

- Safety : Class II, Safety Extra Low Voltage (SELV), complies with EN 61010-1, EN 61010-2-201 and EN 62368-1.
- EMC : Complies with EN 61000-6-2 and EN 61000-6-4.
- Overvoltage Category : II ; Pollution Degree : 2.
- Installation altitude : < 2000 m.
- Protection level : IP30
- Operating temperature : from -25 °C to +70 °C  
Derating : 1 W/°C from +55 °C
- Input voltage : 220-240 VAC (190 to 264 VAC), 50-60 Hz
- Mains input : disconnect scribe terminal blocks for 2,5 mm<sup>2</sup> wires (AWG12)
- Power consumption : max 34,5 W
- Dielectric strength : 3000 VAC from Input to output
- Presentation : polycarbonate modular case (3 modules) screenprinted
- Dimension : 54 x 95 x 58 mm (l x h x p)
- Mounting : Clipspackage integrated in modular case for DIN rail profile 35x7,5 mm or 35x15 mm  
removable wall mounting integrated case to the 4 mm screws.

