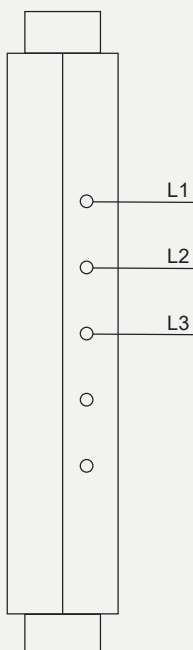


Main features

- ✓ 4 quadrants measurement including consumption and generation parameters
- ✓ Active and reactive energy, power, voltage, current, frequency and cos phi, including single phase and three phase
- ✓ Accuracy of class 1 for active energy and class 2 for reactive energy
- ✓ Current secondary of 1A

Description

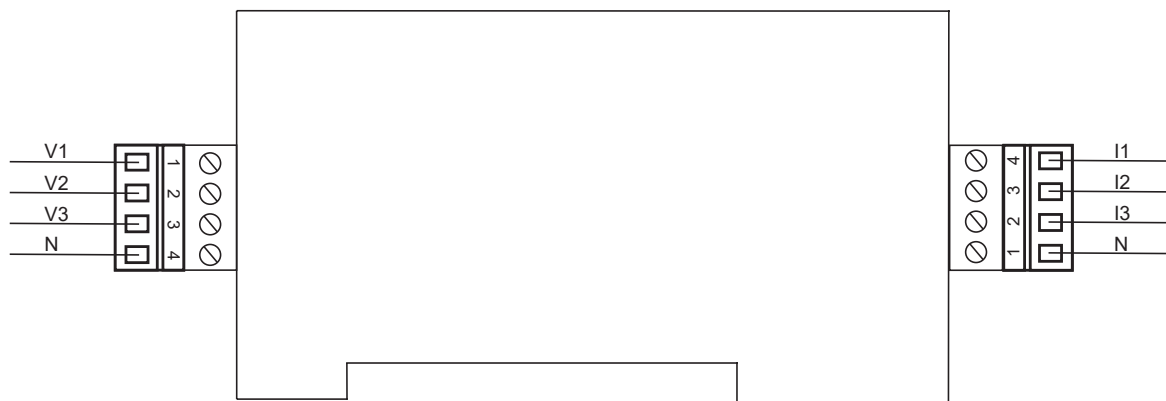
Module for monitoring one three-phase circuit or three single-phase circuits. The module is able to measure 4 quadrants including active and reactive energy, power, voltage, current, frequency and cos phi, single phase and three phase parameters. Measurement accuracy of class 1 active energy and class 2 reactive energy. Current secondary of 1A.



LEDs

| LED | Name | Description |
|-----|------------|---|
| L1 | L1 Control | Positive current & $\cos\phi \geq 0,8$: Green |
| | | Positive current, positive reactive power & $\cos\phi < 0,8$: Blinking green |
| | | Negative current: Red |
| L2 | L2 Control | Positive current, negative reactive power & $\cos\phi < 0,8$: Blinking red |
| | | Positive current & $\cos\phi \geq 0,8$: Green |
| | | Positive current, positive reactive power & $\cos\phi < 0,8$: Blinking green |
| L3 | L3 Control | Negative current: Red |
| | | Positive current, negative reactive power & $\cos\phi < 0,8$: Blinking red |
| | | Positive current & $\cos\phi \geq 0,8$: Green |
| L3 | L3 Control | Positive current, positive reactive power & $\cos\phi < 0,8$: Blinking green |
| | | Negative current: Red |
| | | Positive current, negative reactive power & $\cos\phi < 0,8$: Blinking red |

Connection diagram



Technical features

| Category | Parameters | Value |
|--------------------------------|------------------------------------|--|
| Power circuit | Consumption | 1 W (max.) |
| Environmental conditions | Operating temperature | -25...50 °C |
| | Relative humidity | 5...95 % |
| | Maximum working altitude | 2000 m |
| Mechanical characteristics | Enclosure material | UL 94 polycarbonate - Self-extinguishing VO |
| | Protection grade | IP20 (assembled) |
| | Dimensions (Width x High x Length) | 35 x 88,5 x 48 mm (2 DIN rail modules) |
| | Weight | 90 g |
| | Mounting | DIN rail 46277 (EN 50022) |
| | Connectors | Pluggable terminals, max. wire section 1,5 mm ² |
| Electrical and safety features | Electric shock protection | Double insulation class II (assembled) |
| | Insulation | 3 kVac |
| | Installation category | CAT III 300 V (assembled) |
| Voltage measurement circuit | Rated voltage (Un) | 285 Vac (p - N) / 480 Vac (p - p) |
| | Voltage measurement margin | 5 ... 120% Un |
| Current measurement circuit | Nominal current (In) | In / 1 A |
| | Current measurement margin | 2 ... 120% In |
| Measurement accuracy | Active energy measurement | Class 1 |
| | Reactive energy measurement | Class 2 |
| User interface | LEDs | 3 leds |