Split Core CT Easy Mounting Three 3 Phase Power Analyzer Meter Energy Counter
Model: SDE430-C

Description:

SDE430-C mini DIN rail 3 phase power analyzer is designed special for renovation project of energy management (EMS). It has **3 external split core CTs (5~600A) or 3 Rogowski coils (200~6000A)**, so we don't need to dismantle bus to install it. By its DIN rail installation, it is very suitable to be used with breakers, contactors.

Besides electrical energies, it can measure all the parameters on the electrical networks, such as currents, voltages, active powers, reactive powers, apparent powers, frequency, power factors and 4 quadrant energies. It is designed as just 2 modules, so it can be installed in any so small space or to use it as multi channel 3 phase analyzer. Every SDE430-C has a RS485 interface to transfer its measuring data to other master devices, such as PLC, data center computers.

SDE430-C has good cost performance, as an intelligent unit and a digital electrical data collection unit, it has been widely used in many intelligent systems.

Advantages Functions:

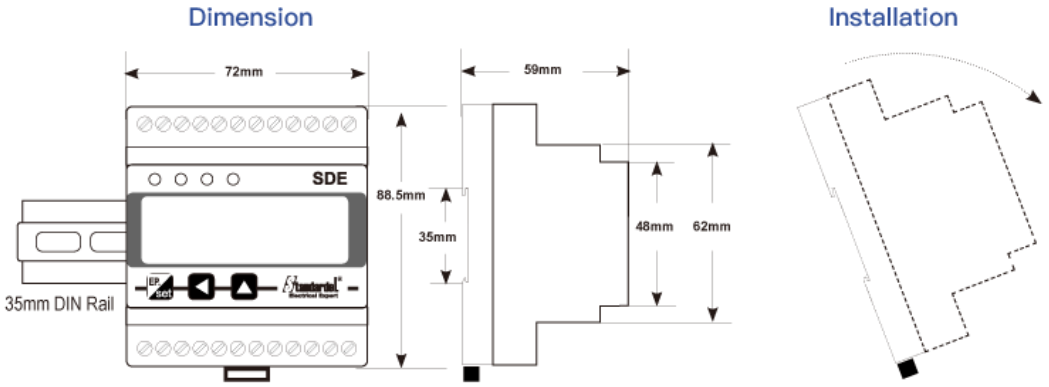
- Measuring: 30 parameters on AC electrical network:
  AL1, AL2, AL3(current senses), VL1, VL2, VL3, VL1-2, VL2-3, VL3-1, Fr,
  PL1, PL2, PL3, PL,QL1, QL2, QL2, QL, SL1, SL2, SL3, SL, PF1, PF2, PF3, PF,
  imp & exp kWh, L & C kvarh
- Display: With 8 digits LCD, display range 000000.00~99999999 kWh
  keep kWh value without power
  dot will move according to energy value to 8 integer digits
- Dimension: 4 modules (72×89×74mm)
- Current Input:
  SDE430-C: split core CT (option 5A, 20A, 40A, 60A, 100A, 200A, 400A, 600A)
  SDE430-R: rogowski coil (option 200, 600A, 1kA, 2kA, 4kA, 6kA)
  (5A split core CT is applied on the secondary cable of original 5A CT)
- Line & Voltage Input:
  3P4L (3x57.7/100V, 3x127/220V, 3x230V/400V,3x240/415V)
  3P3L (3x100V, 3x220V, 3x380V)
- Power Supply: Default axiliary power supply AC/DC85~265V
  Optional DC5V/12V/24V/48V
- Communication: With 2 cables isolated RS485 interface up to 38400bps (Def. Modbus-RTU protocol)
- Pulse: kWh impulse output (comply DIN43864)
- Relay ouput: Optional 1 relay output as remote switch or as alarm
- Auto diagnosis: for wiring error alarm, check error reason by alarm code
- Mounting: 35mm standard DIN rail installation
- Software: With free testing software, to easily read its data and set its parameters by computer
- Secondary Develop: provide DLL dynamic library and C# example, to develop you own software.

Technical Features:

Technical Features		Parameters
Input	Wiring	1P2L, 3P3L, 3P4L
	Voltage	2x110V/220V, 3x57.7/100V, 3x127/220V, 3x230V/400V,3x240/415V 3x100V, 3x220V, 3x380V
		Rated 0.9 ~ 1.1Un; Max 0.7 ~ 1.2Un
		Comsumption ≤5VA / line
	Current	SDE330-C: 5A (to measure normal 5A CT), 20A, 40A, 60A, 100A, 200A, 400A, 600A (Split core CT) SDE330-R: 200A, 600A, 1kA, 2kA, 4kA, 6kA(Rogowski Coil)
		Comsumption ≤4VA / line
	Frequency	50 / 60Hz
	Accuracy	U,I,P 0.5%, kWh 1.0%
	Thermal drift	<200ppm

RS485 interface	Wiring	2 cables isolated RS485 (Modbus-RTU protocol)
	Baud rate	1200,2400,4800,9600,19200,38400bps
	Parity	n81,n82,e81,o81
	Bus Capacity	32
Relay Ouput (Option K)	Mode	Dry Contact
	Capacity	Capcity: AC250/3A,DC24/5A
Installation		Standard 35mm DIN rail
Power Supply		Default AC/DC85~265V (Optional DC5V/12V/24V/48V)
Standard		IEC 61557-12 Class 0.5 IEC 62053-21 Class 1.0
Isolation		2kVAC/min (input / output / power supply)
		input / housing and output / housing >50Mohm
Environment		Work Temperature: -20C ~ +55C
		Storage Temperature: -40C ~ +70C
		Relative humidity: 5% ~ 95% (no condensation)
		Altitude: < 2500m
		Dimension: 72×89×74 (mm)
		Weight: 345g (net without CT)

Dimensions:



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