Features

Provides elementary protection functions
Added security against nuisance trip handling
Manual test button for relay operation checking
Integrated surge arrester against transient overvoltages
Tamper-proof design for settings protection
EMC type tested in accordance with IEC 60255-26 / IEC 61000-4 series
Designed with LED display
Curve selection in accordance with ANSI, IAC, IEC, 1.3, DTL

- *Normally Inverse (NI)*
- *Very Inverse (VI)*
- *Extremely Inverse (EI)*
- *Short Time Inverse (STI)*
- *Moderate Inverse(MI)*

Trip value recording (4-memory)
High set mode is incorporated for instantaneous protection

REA 200e

IDMTL Overcurrent & Earth Fault Relay

Technical Data

Power supply
AC / DC 85 -265V
(other voltages available on request)

Operating Frequency
50/60Hz

Rated Current
5A (1A available upon request)

Earth Faul Time multiplier setting
0.03 - 2.00 (0.01 step)

Earth Faul High-Set
2.0 - 10.0x setting current (0.1 step) **Earth Fault Current setting**
2.0 - 50% (0.1% per step)

Overcurrent Current setting
20 - 200% (1% per step)

Overcurrent Time multiplier setting
0.03 - 2.00 (0.01 step)

Time setting range (DTL)
0.03 -2.00 sec (0.01 sec step)

Pick-up current
100 -115% of the setting current

Reset current value
⩽90% of the operating value

Operating and storage temperature range
Operating -10° to 55° C

Curve Standard
IEC, IAC, ANSI, 1.3/10, DTL

Curve Type
Normal Inverse, Very Inverse
Extremely Inverse,Short Time Inverse (Not for ANSI)
Moderate Inverse (Only for ANSI)

Relative humidity
95% at +40°C

Degree of protection
IP54 (Front)/ IP20 (Rear)

Operation life expectancy
Electrical: > 10,000 operations
Mechanical: > 5 x 10^6 operations

Output contact
AC250V 5A

Indication
Red LED (relay tripped)

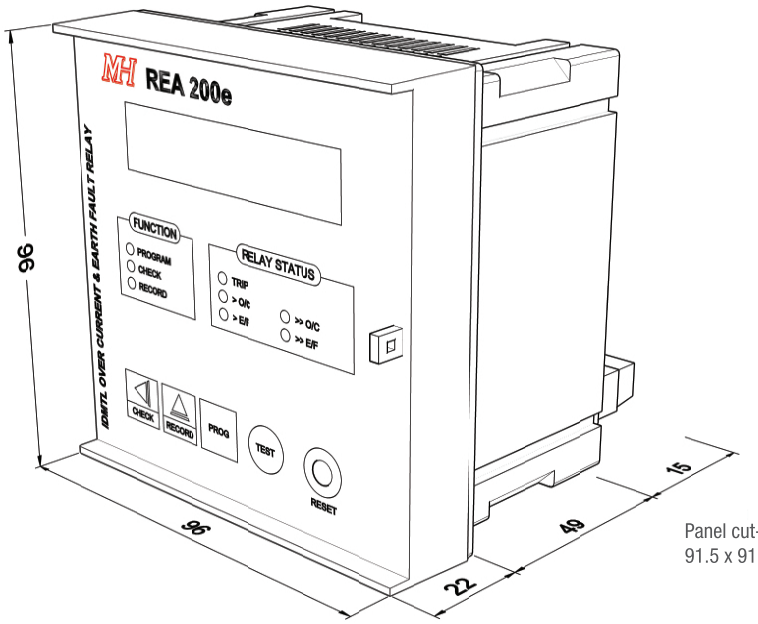
Housing material
ABS resin complying with UL94V0

Unit Weight
Approximately 500g

Power consumption
⩽2VA

Overcurrent High-Set
2.0 - 10.0x setting current (0.1 step)

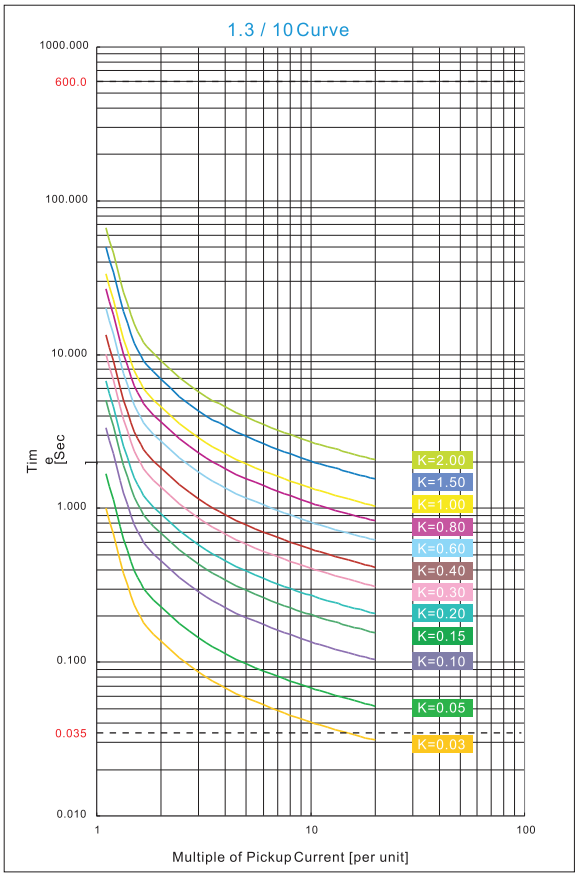
Dimension



Panel cut-out
91.5 x 91.5 mm

Characteristics Curve

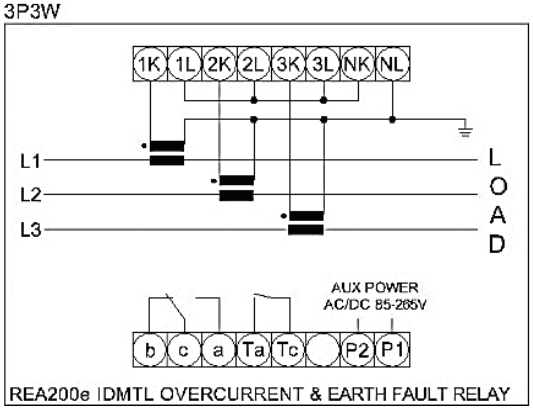
Time current Characteristics in accordance with IEC 60255



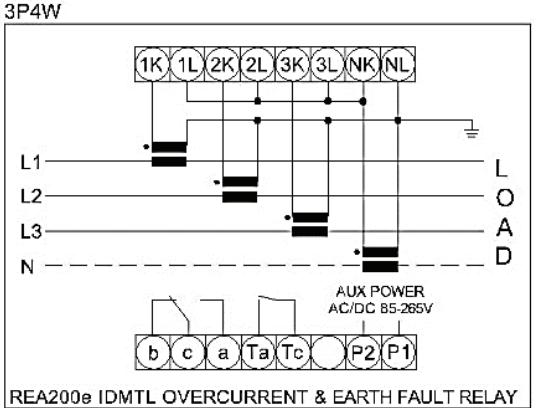
Programable option: 1.3/10 Inverse, ANSI, IAC, IEC curve see in manual

Connection Diagram

3P3W



3P4W



Compliance with standards

CISPR 11 / EN 55011	Conducted and radiated emissions
IEC/EN 61000 -4-2	Electrostatic discharge immunity test
IEC/EN 61000 -4-3	Radiated, radio-frequency, electromagnetic field immunity test
IEC/EN 61000 -4-4	Electrical fast transient / burst immunity test
IEC/EN 61000-4-5	Surge immunity test
IEC/EN 61000-4-6	Immunity to conducted disturbances, induced by radio -frequency fields
IEC/EN 61000-4-8	Power frequency magnetic field immunity test
IEC/EN 61000-4-11	Voltage dips, short interruptions and voltage variations immunity tests
IEC/EN 61000-4-18	Damped oscillatory wave immunity
IEC/EN 60255-1	Measuring relay and protection equipment
IEC/EN 60255-27	Measuring relays and protection equipment L - Part 27: Product safety requirement
IEC/EN 60255-151	Measuring relays and protection equipment L - Part181: Functional requirement for over/under current protection

Ordering Infomation

Model:	Description
REA 200e	IDMTL OC & EF Relay
	Panel type