



NUMERICAL 3 OVERCURRENT + EARTH FAULT RELAY

TYPES AVAILABLE

- Communicable
- Non-Communicable
- 3 OC + Earth Fault
- Restricted EF only
- SEF only

KEY FEATURES

- Flush mounting type
- Elegant soft edged rectangular shape
- IP 54 Grade
- Highly Durable
- Light weight
- Wide range of operating voltage

DIMENSIONS

- Height: 160.5mm
- Width: 92.5mm
- Depth: 146.5mm
- Weight: 1kg approx.

CUTOUT

72mm



140mm



- ANm series numerical technology based relay for systems like Industries, Substation and distribution Networks.
- Rear port communication through RS 485 port with IEC 60870-5-103 or Mod bus for data acquisition
- Total 8 nos. of LED indication
- Front USB Communication
- Two types of Binary configuration:
 - ☆ 3 Inputs & 4 Outputs
 - ☆ 4 inputs & 4 Outputs

Operating supply

- ➔ Nominal Auxiliary Voltage : a. 24V -48V DC
b. 100V – 230V AC/DC
- ➔ Nominal Burden : Less than 5 Watts on energised condition
- ➔ Tolerable AC Ripple : As per IEC standard
- ➔ Operating Frequency : 50Hz

Operating Conditions

- ➔ Relative Humidity : 95%
- ➔ Operating Temperature Range : -25°C To +55°C
- ➔ Storage Temperature Range : -25°C To +70°C



PASSED TESTS FOR:

- Impulse
- Dielectric Withstand
- Insulation resistance
- DC Voltage Dips
- Gradual shutdown/start-up test/booting time
- DC Voltage Interruptions
- AC (ripple) in DC Supply
- AC Voltage Dips
- AC Voltage Interruptions
- Reversal of DC supply polarity
- Radiated Emission
- Conducted Emission
- Vibration Endurance
- Shock withstand

CONFORMING STANDARDS

- IEC 60255-27
- IEC 60255-26
- IEC 60255-1
- IEC 60255-21-1
- IEC 60255-21-2
- IEC 60529

FOR QUERIES

Visit us:

www.alindrelays.com

OR

Mail us:

contact@alindrelays.com

OR

Call us:

+91 944 600 5703

KEY FEATURES

- ➔ 04 nos. CT inputs for 3 Over Current + 1 EF/SEF/REF Protection
- ➔ Highly resilient against Voltage, EMC, Climatic and Mechanical stress
- ➔ Rated Current In 5A & 1A (Selectable through S/W)
- ➔ Current carrying capacity: 4In continues and 40In for 1 Sec
- ➔ Watch dog protection with continuous self-diagnostics
- ➔ Continuous current carrying capacity of contact: $\geq 8A$ continues for 110V DC
- ➔ Making Capacity at 110V DC : $\geq 1000W$ at L/R=40ms
- ➔ Breaking Capacity at 110V DC : $\geq 40W$ at L/R=40ms
- ➔ Inrush Blocking feature
- ➔ 5 nos. fault records and 250 nos. Event Data storage
- ➔ Minimum 10,000 contact operations in loaded condition and 1,00,000 operations in unloaded condition
- ➔ Password control facility available.

ABOUT US

ALUMINIUM INDUSTRIES LIMITED. [ALIND] is a premier engineering industry in India engaged in multifaceted activities. Established in 1946, the company has today 4 manufacturing divisions. Three manufacturing plants are located in Kerala and one at Hyderabad. As the years rolled by, ALIND diversified its activities by uniting various streams of power transmission technology and emerged as multi-divisional composite corporate entity. ALIND has kept abreast of the latest technology for past decades.

ALIND Relays Division which came into existence in 1982 are now the leading manufacturers for Control & Relay panels for Indian Railways. In spite of that, we are the manufacturers for other Rolling stock equipment, Control & Relay panels for Utilities, Panel Building products etc.

SERVICES AVAILABLE

- ➔ Technical Support
- ➔ Maintenance
- ➔ Application Support
- ➔ Hardware Support
- ➔ Guaranteed Warranty

ALUMINIUM INDUSTRIES LIMITED
RELAYS DIVISION