The new split current transformers ND 5014 from the VARIMETER RCM series are suitable for residual current monitoring in conjunction with the residual current monitor IL 5882, for both alternating and pulsating direct currents in earthed mains. By opening the current transformers, they can be easily mounted on the conductors of the output to be monitored, thus enabling simple installation in existing plants or retrofitting measures. The split mechanism eliminates the need to cut or disconnect the conductors, thus minimizes costly interruptions to operation. Especially as the cutting of the conductors can lead to the fact that a new approval may have to be carried out for the plant. The compact current transformers are available in 3 sizes with a feed-through opening of Ø 49, 79 and 119 mm and allow vertical or horizontal mounting to the DIN rail.

The accuracy of a residual current measurement depends not only the quality of the products but also the suitable combination of measuring device and current transformer. DOLD also supplies appropriate residual current monitors for the split current transformer ND 5014. The monitoring devices IL 5882, SL 5882 and IP 5882 of the VARIMETER RCM series are particularly suitable for this purpose. Please do not hesitate to contact us for further information.

Advantages and customer benefits

➤ Ideal for retrofitting, no need to cut the conductors
➤ Due to split mounting ideally suited for existing plants
➤ Quick installation due to split technology
➤ High and reliable measuring accuracy up to 30 A
➤ Feed-through openings of Ø 49, 79 and 119 mm available
➤ Reliable connection technology through push-in terminal block
➤ Extensive program for residual current monitoring from one source
Split current transformer ND 5014

Technical features
- According to IEC 61869-1 and IEC 61869-8
- Measurement according to IEC/EN 62020, Type A
- Up to 30 A
- Vertical and horizontal mounting to the DIN rail
- ND 5014/120 also with screw fastening

Order information
- Standard type: ND 5014/050 Ø 49 mm
  Item number: 0068614
- Standard type: ND 5014/080 Ø 79 mm
  Item number: 0068613
- Standard type: ND 5014/120 Ø 119 mm
  Item number: 0068565

Applications
- Railway and traffic technology
- Energy supply and distribution
- Communication technology equipment
- Computer centres and IT facilities
- Building and electrical installation technology

Wiring
The hinged cover protects the push-in terminal block and makes unintentional disconnection of the connection wiring more difficult. The removable push-in terminal block facilitates the mounting of the transformer. The stripping length of the conductors is 10 mm and the connection capacity is 0.2 ... 2.5 mm².

Suitable residual current monitors
- IL 5882 Distribution enclosure
  63 mm installation depth
  35 mm width
- SL 5882 Switch cabinet enclosure
  100 mm installation depth
  35 mm width
- IP 5882 Distribution enclosure
  63 mm installation depth
  70 mm width
  Cage clamp terminals forcibly guided contacts

Further information
Do you need further current transformers for residual current monitoring?

www.dold.com