ICMET
National Institute for Electrical Engineering
Research - Development - Testing

200515 CRAIOVA - ROMANIA , Calea Bucuresti 144
FAX: +40 251 415 482 ; 40 351 404 890 ; e-mail market@icmet.ro
TEL: +40 351 404 888; 40 351 404 889 ; e-mail icmet@icmet.ro
www.icmet.ro

PHASE SUCCESSION INDICATOR, type PSI

General

The phase succession indicator is an instrument intended for the identification and testing of the correct succession in a three phase system.

PSI tests both the existence of each phase (by the lighting of two LED-s on each phase) and the correct succession of the phases (by the lighting of another two phase succession LED-s) for a three phase system.

Fields of application

The phase succession indicator is used to identify the correct succession of the R, S, T phases before the coupling of the synchronous or asynchronous motors to the three-phase network.

The phase succession indicator may be used both at three-phase systems 3x380 V and at three-phase systems having another voltage values (e.g. 3x380 V) , ordered by the beneficiary .

Mode of operation

PSI being achieved of an electronic assembly introduced in a plastic box having the dimensions 90x50x25 mm has small overall dimensions and an easy mode of operation.

The three cables provided with testers at their ends are introduced in sockets at each phase. If there are three phases two LED-s corresponding to each phase will light on the indicator board. If one of the phases is missing the LED-s corresponding to each faulty phase are dark.

If there are three phases (all six LED-s are light) there is the possibility of a correct indication of R,S,T phases succession and in this case the two succession LED-s are light . When the LED-s showing the phase succession are dark it means there is a wrong successio0n. Both the two succession LED-s and the other corresponding to each phase are paralleled providing a high reliability of the product.

Technical characteristics

- Measuring field: - three-phase voltage 3x380 V
  - other voltage values specified by the beneficiary
- Display system of the R, S, T phases correct succession: with LED-s
- Environment temperature: (0 to 50) ^{0} C
- Protection degree: IP 22
- Overall dimensions: (90x50x25) mm
- Net weight: 0.115 kg