



B-Stop DIN

Leakage current compensator for single-phase electrical systems including neutral voltage and line detectors



- Small footprint: 1 DIN module only
- Easy to install
- Two selectable values: 5 mA or 10 mA
- No calibrations
- Wrong line-neutral connection detector
- High neutral voltage detector
- Correct operation signaling

Product Number: **TP-017-001**

General Features

B-Stop is a line-neutral-earth device that injects a reactive "anti-capacitive" current on the ground wire able to partially compensate for the capacitive leakage current of the TN single-phase electrical plant. It safely increases the threshold margin of the RCD in order to avoid unwanted tripping of residual current circuit breakers .

It is possible to select two different values of the compensating current in order to inject an adequate current for electrical systems protected by 30mA or 10 mA RCDs. B-Stop is easy to install and small (only 1 DIN module). It can be fitted in any control cabinet.

Applications

- Nuisance RCD tripping when mains voltage rapidly changes
- Nuisance RCD tripping due to the presence of many electronic devices
- Nuisance RCD tripping due to the high length of mains cables
- Mains line polarity checking

Specifications

Power supply

| | |
|---------------------|---------|
| Voltage | 230VAC |
| Power Consumption | < 1,6 W |
| Operating frequency | 50Hz |

Compensation

| | |
|----------------------|--------------------------------------|
| Compensating current | Two selectable values: 5 mA or 10 mA |
|----------------------|--------------------------------------|

Interface

| | |
|---------------|------------------------------------|
| Signaling LED | Blue LED (Normal), Red LED (Error) |
|---------------|------------------------------------|

Connections

| | |
|-----------|--|
| Terminals | Screw terminals for conductors: 0.05 mm ² (30AWG) - 2.5 mm ² (14 AWG) |
|-----------|--|

Housing

| | |
|------------------|-----------------------------|
| Fastening | DIN Rail |
| Dimensions | 17,5x90x56,4 one DIN module |
| Weight | 63g |
| Material | PA |
| Flame protection | PA - UL 94 V0 |

Environmental Conditions

| | |
|-----------------------|------------------------------|
| Operating Temperature | -10°C / +60°C |
| Storage Temperature | -20°C / +75°C |
| Humidity | 80% max without condensation |

Grade Protection

| | |
|-----------|------|
| Housing | IP30 |
| Terminals | IP20 |

Compliance regulations

| | |
|----------|-----------------------|
| Security | CEI EN 61010-1 |
| EMC | EN 61326-1 |



Mechanical

