

PRODUCT LINE | ACCESSORY

Battery Reverse Polarity Control Unit (BRPCU)



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PURPOSE of BRPCU

Battery Reverse Polarity Control Unit (BRPCU) is an electronic device capable of detecting the incorrect connection between a rectifier and its battery bank. By connecting the device BRPCU directly to the battery bank and consequently before the organ sectioning / protection (eg. Isolator, fuses, circuit breaker) you will be alerted, before executing the maneuver junction rectifier / battery bank, a possible reversal polarity of the battery bank with respect to the rectifier.

BRPCU thanks to the presence of SPDT contacts, can 'drive a minimum voltage coil which equips the circuit breaker to protect the battery bank causing the detachment and consequently avoid the closure of the switch with reversed polarity. This small device will avoid situations so dangerous to people and damage to the systems.

GENERAL FEATURES

Voltage power input and measurement =
24-48-110-220Vdc *

Current consumption =

0 Amp (with correct battery connection)
15 mA (batteries with incorrect connection)
* (To be determined at time of order)

Features SPDT contact=

5Amp- 250VAC / 2Amp – 24VDC

MECHANICAL FEATURES

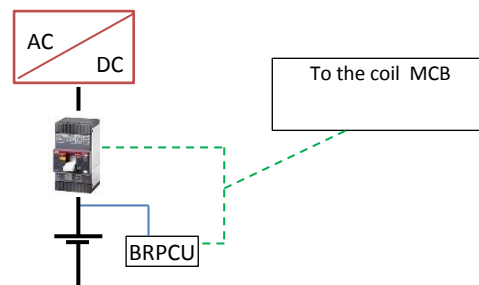
Mechanical construction:

Polycarbonate 4Moduli din rail

External dimensions (L * W * H) mm: 70 * 60 * 90

External Protection Degree: IP20

Ex.Typical drawing



WHAT OFFER BRPCU

- Red led for indicating "POLARITY FAULT "
- Failure relay with SPDT contact
- Easy of use
- Easy connection (only two wires)

OPTION AVAILABLE

- Available electrical panel complete with: Circuit Breaker modular or boxed release coil
- device BRPCU

*Subject to changes in the product,
the information,
Subject to errors and omissions*