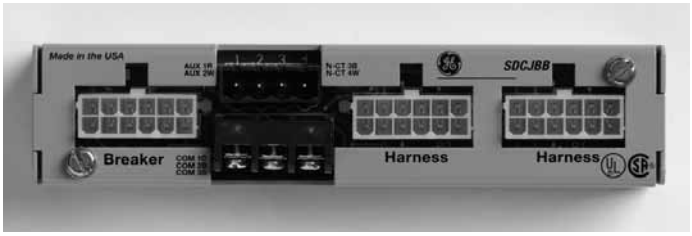
GE Energy
Industrial Solutions

DEH-006 Installation Instructions

Distribution Cable Junction Box

For Spectra® RMS Molded-Case Circuit Breakers with *micro*EntelliGuard™ Trip Units, MicroVersaTrip® PM Trip Units or MicroVersaTrip® Plus Trip Units

For Catalog Number SDCJBB
UL LISTED Circuit Breaker Accessory



Overview
The General Electric Distribution Cable Junction Box is a modular connector used to provide quick, easy and reliable attachment of Spectra® RMS Molded-Case Circuit Breakers with *micro*EntelliGuard™, MicroVersaTrip® PM or Plus Trip Units to the Distribution Cable System. The electronic signals supported by the Distribution Cable Junction Box vary depending on the type of Molded-Case Circuit Breaker used; a list of supported functions appears below.

Input signals to Spectra® RMS Breaker with MicroVersaTrip® PM Trip Unit
- control power (+24vdc)
- control power (common)
- system communications (Comm +)
- system communications (Comm –)
- breaker position (via installed aux. switch - red wire)
- breaker position (via installed aux. switch - white wire)
- voltage A ϕ (must be from Voltage Module or Voltage Conditioner Plate or Voltage Conditioner Assembly)
- voltage B ϕ (must be from Voltage Module or Voltage Conditioner Plate or Voltage Conditioner Assembly)
- voltage C ϕ (must be from Voltage Module or Voltage Conditioner Plate or Voltage Conditioner Assembly)
- neutral current sensor - black (for equipment ground fault)[1]
- neutral current sensor - white (for equipment ground fault)[1]

Input signals to Spectra® RMS Breaker with MicroVersaTrip® Plus Trip Unit
- control power (+24vdc)
- control power (common)
- neutral current sensor - black (for equipment ground fault)[1]
- neutral current sensor - white (for equipment ground fault)[1]

Input signals to Spectra® RMS Breaker with *micro*EntelliGuard™ Trip Unit
- control power (+24vdc)
- control power (common)
- system communications (Comm +)
- system communications (Comm –)
- breaker position (via installed aux. switch - red wire)
- breaker position (via installed aux. switch - white wire)
- voltage A ϕ (must be from Voltage Module or Voltage Conditioner Plate or Voltage Conditioner Assembly)
- voltage B ϕ (must be from Voltage Module or Voltage Conditioner Plate or Voltage Conditioner Assembly)
- voltage C ϕ (must be from Voltage Module or Voltage Conditioner Plate or Voltage Conditioner Assembly)
- neutral current sensor - black (for equipment ground fault)[1]
- neutral current sensor - white (for equipment ground fault)[1]

[1]Neutral current sensor input is required for 3 PH/4W or 1 PH/3W systems. For 3 PH/3W systems, do not make any connections.

These instructions do not cover all details or variations in equipment nor do they provide for every possible contingency that may be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to the GE Company.

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