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Internal 3VA Accessories Wiring Guide

Wire color reference for wiring to internal 3VA Accessories

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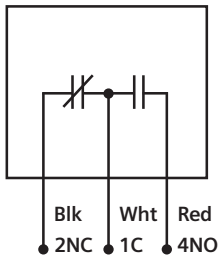
This reference document is intended to illustrate control wire colors for internal 3VA breaker accessories, when installed in factory assembled panelboards, to facilitate easy connection in the field. This document is not intended to replace the individual accessory.

For 3VA internal accessories installed in factory-assembled panelboards, control wires will be added and accessories will be tested before installation into Lighting Panels. Shunt Trip modules (STL, STF) and Auxiliary or Alarm Switches (AUX, LCS, TAS, & EAS) do not include wires with loose accessories. Control wiring will be installed at the factory according to the wire color coding shown below. If more than one accessory is installed, the cover may need to be removed to determine which wires belong to each accessory.

- High Quality (HQ) and Electronic (HQ_el) switches (AUX, LCS, TAS, & EAS) are supplied with (3) wires.
- High Power (HP) switches (AUX, LCS, & TAS) are supplied with (6) wires.
- Shunt Trip modules (STL, STF) are supplied with (2) wires.
- Undervoltage Release (UVR) modules are supplied with (2) wires.
- Universal Release modules (UNI) are supplied with (4) wires.

For additional information, please refer to the relevant 3VA accessories instructions. Wiring diagram is also located on the accessory front or side.

3VA Internal Accessory Wire Colors



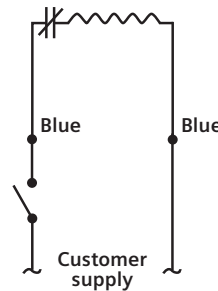
3VA AUX Switches

- Auxiliary Switch (AUX)
- Leading Changeover Switch (LCS)
- Trip Alarm Switch (TAS)
- Electrical Alarm Switch (EAS)

White-Black: Closed when circuit breaker is open.

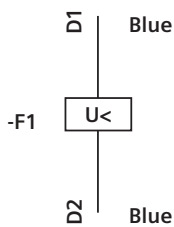
White-Red: Open when circuit breaker is open.

Note: High Power (HP) versions are supplied with (2) wires of each color to support and parallel higher current through the same contacts.



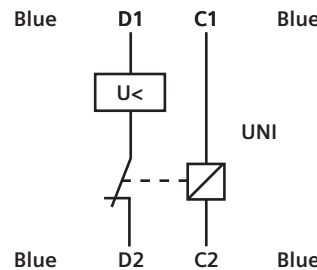
3VA Shunt Trip

- Shunt Trip Left (STL)
- Shunt Trip Flexible (STF)
- Two blue wires attached



3VA Under Voltage Release (UVR)

- Two blue wires attached
- Loose accessory comes with wires attached



3VA Universal Release (UNI)

- Four blue wires attached
- Loose accessory comes with wires attached

Published by
Siemens 2018

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Order No. PDFL-3VAAC-0418-CP

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