

Siemens Sm@rt DAS

NEC 240.87 Solutions

What is the solution?

- **Simple, scalable** – Can integrate all MCCBs, ICCBs and Power Circuit Breakers in a single system
- **Consistent Architecture** - System can be used in most equipment including Switchgear, Switchboards, and Power Panels
- **Outside the Zone** - Maintenance switches can be mounted on a remote panel outside arc flash zone



Figure 1. Switchboard lineup

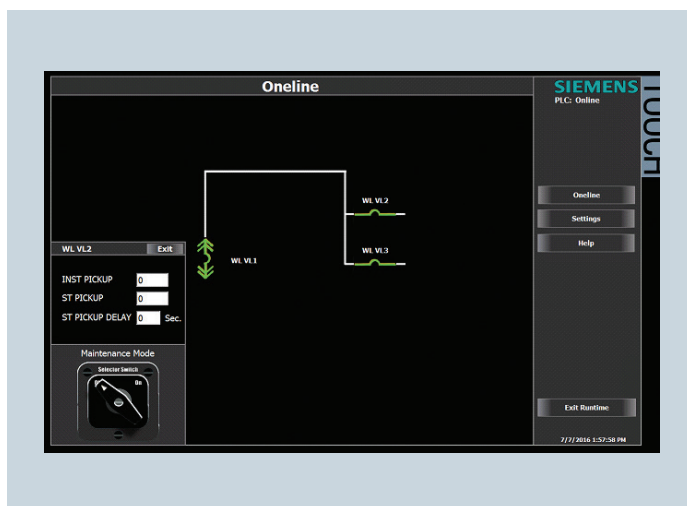


Figure 2. Optional HMI

What are the benefits?

- Complies with NEC 240.87
- Scalable solution to add multiple breakers
- Can set instantaneous to any value -- not just fixed values
- Can be utilized on both WL, VL breakers
- MODBUS communication – allows for additional control over a SCADA system or local HMI

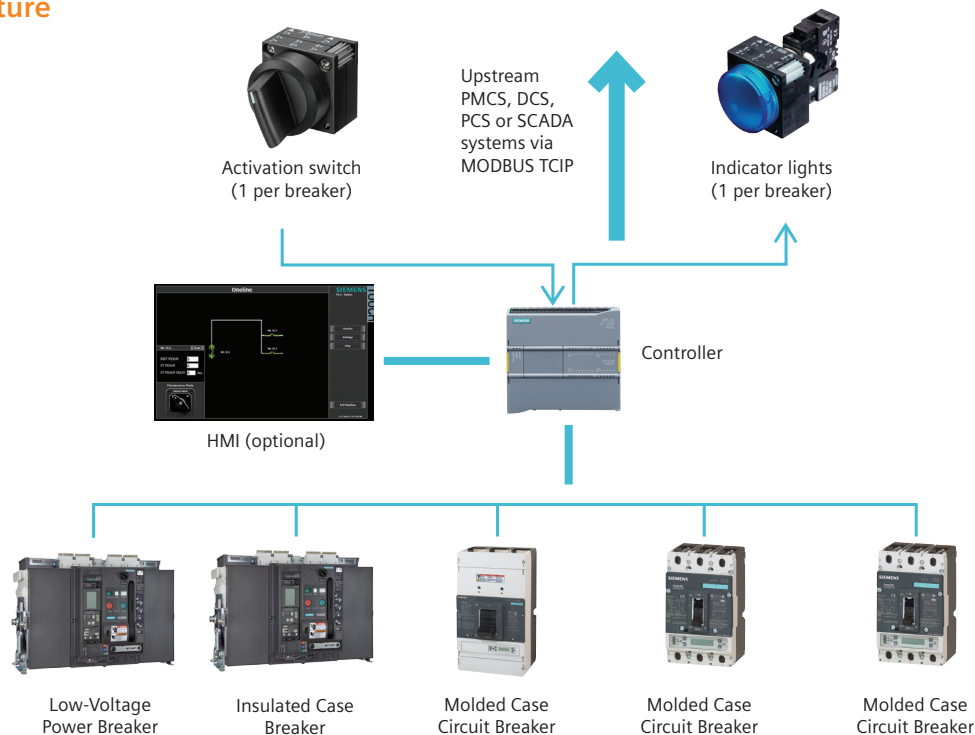
Standard Features

- Siemens Sm@rt DAS controller with MODBUS TCP/IP
- MODBUS communication linking intelligent devices
- One light/switch per breaker
- Power/Insulated Case Circuit Breaker features
 - ETU 776
 - COM16 (MODBUS module)
 - Ability to change all protection setting parameters
- Molded Case Circuit Breaker Features
 - ETU 586
 - COMMOD21 (MODBUS module)
 - Ability to change short time and instantaneous protection setting parameters

DAS Optional Features

- Optional single switch for entire system with indicator lights for individual breakers
- Optional HMI
 - Remote activation
 - Adjust trip settings on breakers

DAS Architecture



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