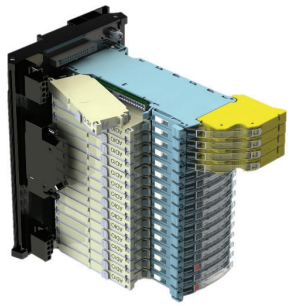
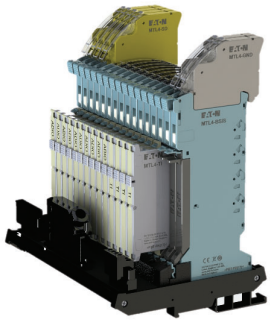
The new standard in marshalling

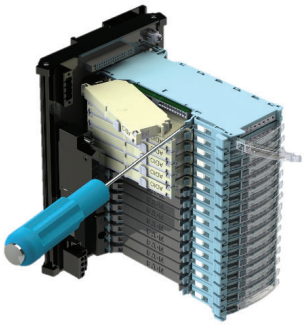
CROUSE-HINDS SERIES

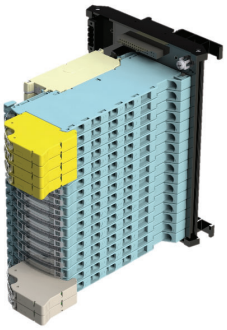
MTL SUM5™

Smart Universal Marshalling Solution





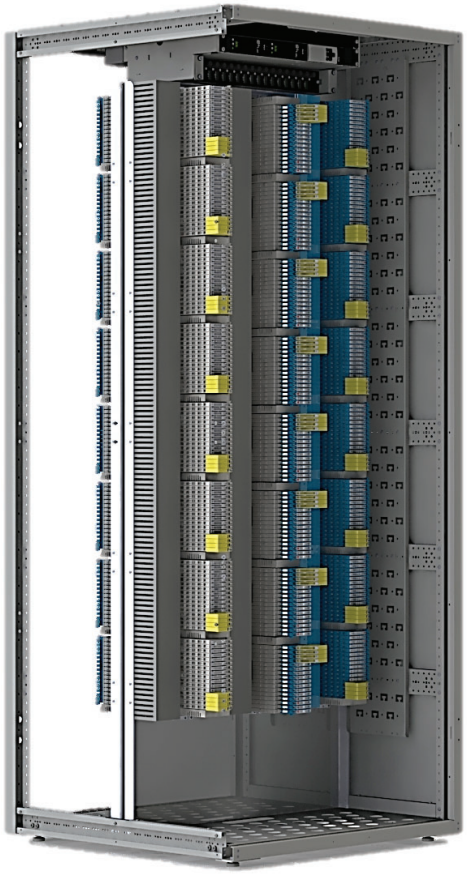




EATON

Powering Business Worldwide

Minimize CapEx and maximize investment return



Introducing the MTL SUM5™, a universal marshalling and smart cabinet solution

Eaton's Crouse-Hinds Division now has an innovative and reliable marshalling solution that can reduce DCS cabinet requirements by 30 to 50%, significantly decreasing project infrastructure costs.

With the MTL SUM5, **we've combined five marshalling functions into ONE configurable and standard design**.

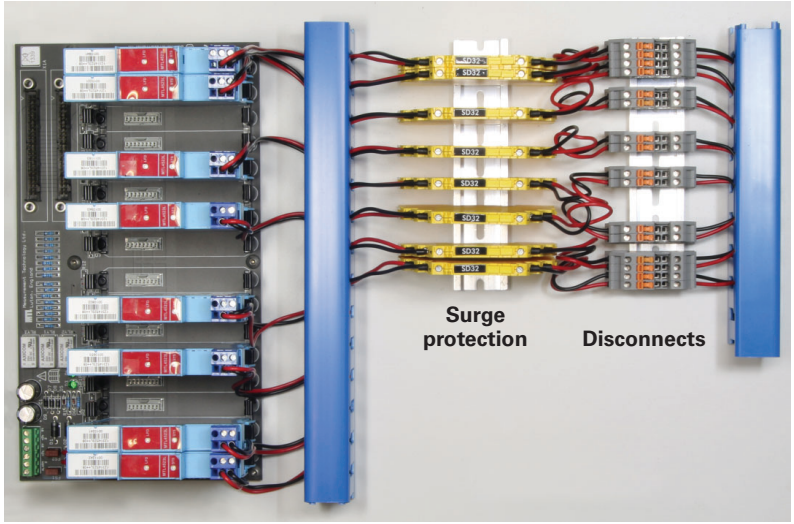
- Intrinsically safe isolators
- Signal conditioning
- Relay interfaces
- Surge protection
- Loop disconnect

The MTL SUM5 can typically reduce the number of marshalling component types on a bill of material from 20 to 7, simplifying procurement, commissioning and maintenance.

Plus, with the SUM5's modular design, late changes in I/O or surge can be easily accommodated at minimum cost and time.

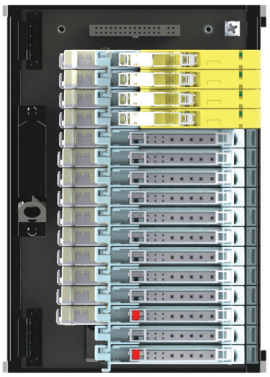
Reduce installation costs while saving valuable space in your control room

With the MTL SUM5 you can go from this:



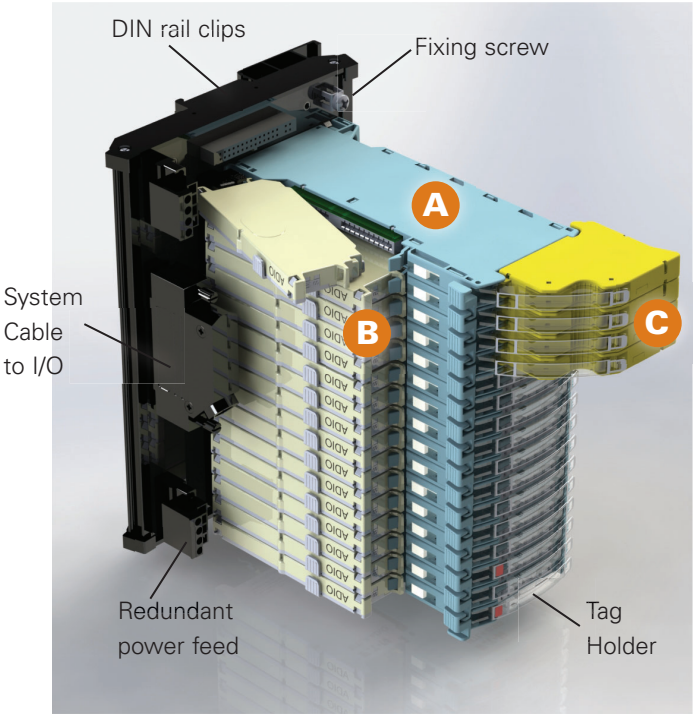
Intrinsic safety isolators

To this:



Each cabinet removed saves 3m^2 in the rack room and 270 kg in weight!

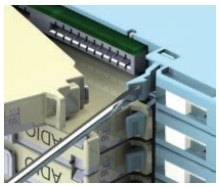
MTL SUM5 Smart Universal Marshalling Solution - Design Features



Modular and configurable design reduces costs, optimizes productivity, and increases process up-time

- 5 marshalling functions in ONE design simplifies commissioning, start-up, maintenance and documentation
- Eliminates up to 8 connections per channel, the most common fault in marshalling cabinets
- Comprehensive diagnostics notify you when service is required
- Intelligent modules with LED indicators simplify commissioning and troubleshooting
- Components can be easily replaced. Replacement isolator automatically assumes channel configuration
- Extended -40°C to +70°C operating temperature range
- Designed for ATEX, IECEx and North American certification requirements

A Rugged Field Terminal Assembly (FTA)



- Available as intrinsically safe or general purpose versions
- 16 channel carrier with rugged field wiring connections
- Knife disconnect to isolate all four field terminal connections
- Clear plastic tag holder for channel identification

B Isolator Module

- Plugs into IS Field Termination Assembly for intrinsically safe applications or general purpose FTA for signal conditioning applications
- Configurable module for AI, AO, DI, and DO applications. Temperature input module for thermocouple, RTD and mV applications
- Functions can be mixed on the carrier
- Single channel module provides channel-to-channel isolation
- 3 port isolation
- Status and configuration LEDs to simplify commissioning and troubleshooting
- USB connection via carrier for simple configuration with PC

C Surge Protection Module

- Proven Hybrid GDT and suppression circuit with fast response and high surge current rating protects marshalling cabinet equipment, I/O, controller, etc.
- Surge protection tested to 10kA
- Add or replace surge protection without changes to the cabinet or wiring
- Uninterrupted signals during module installation and removal
- Surge modules can be easily added after the system is installed and commissioned, saving up-front costs when surge requirements may not be fully defined

EATON Crouse-Hinds series

The safety you rely on.

See the complete MTL product portfolio at **www.mtl-inst.com**

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