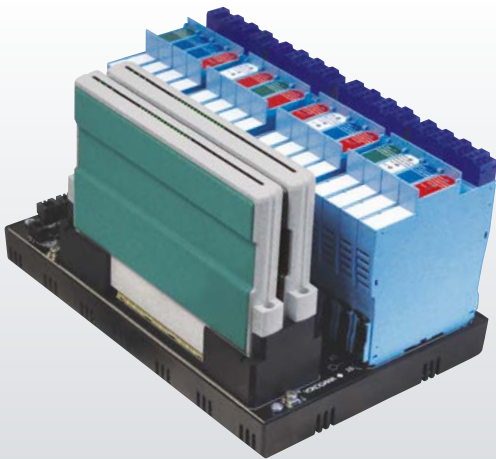


MTL intrinsically safe solutions for
Yokogawa DCS and Safety N-IO

CROUSE-HINDS
SERIES

Universal solution for flexible system design



Yokogawa universal N-IO - intrinsic safety interface

As part of the CENTUM® VP R6.01 and ProSafe-RS Release 4, Yokogawa has expanded its range of I/O devices, which are critical control and safety system components, and a key feature is a new **N-IO field I/O devices** with universal I/O modules that handle multiple types of I/O signals.

For intrinsic safety applications Yokogawa has partnered with Eaton in the development of an integrated backplane where the N-IO modules are mounted next to the MTL4500 series IS isolators. Standard Yokogawa system connections for the redundant communication busses are provided along with separate power feeds for the N-IO

modules and MTL isolators. Two CENTUM VP and two ProSafe-RS versions are available for left and right hand mounting for optimum cabinet layout and cable routing.

All backplanes accommodate single or dual redundant N-IO configurations. Diagnostics are included, the N-IO module detects the isolator type that is fitted and checks compatibility with the input/output type selected for a specific channel. Line diagnostics are also available for all signal types and individually passed through each channel back to the N-IO module.

CENTUM VP
Release 6

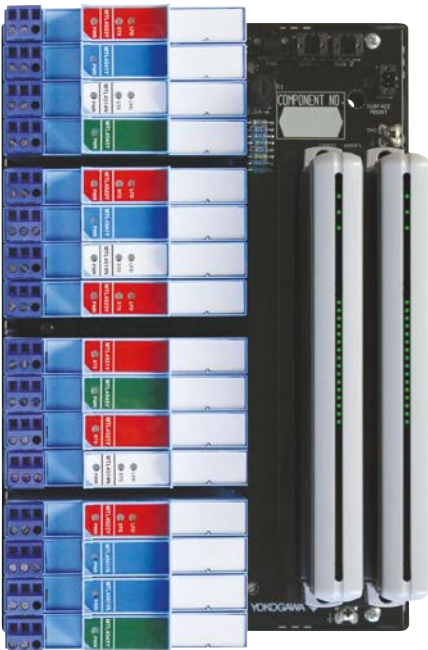


ProSafe-RS
Release 4



Left wiring model

Right wiring model



Fully integrated solution for maximum safety and reliability

MTL intrinsic safety isolators

Model	Description	CENTUM VP	ProSafe-RS
MTL4541Y	4-20mA Transmitter repeater for 2 wire smart and 4 wire non-smart inputs	●	⊙
MTL4541YA	4-20mA Smart input, 4 wire Transmitters	●	⊙
MTL4573Y	RTD/THC temperature input, RTD and Thermocouples. Software configurable	●	●
MTL4545Y	4-20mA Smart output with open circuit line diagnostics	●	⊙
MTL4514N	Switch/proximity detector input with LFD pass-through	●	⊙
MTL4521Y	solenoid/alarm driver	●	●
MTL4523Y	solenoid/alarm driver with LFD diagnostic pass-through	●	⊙





EATON Crouse-Hinds series

The safety you rely on.

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