

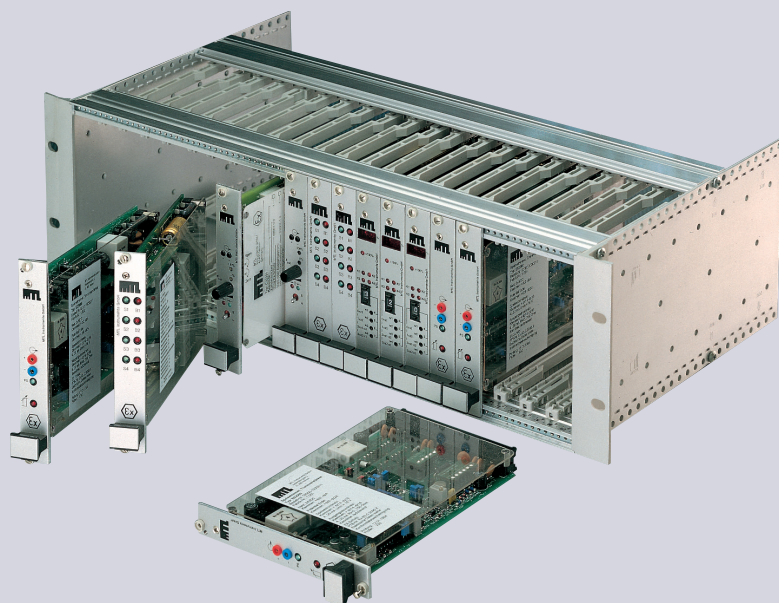


MTL E - Series Eurocard isolators

High quality IS and non-IS isolators in
Eurocard format



COOPER Crouse-Hinds



Making
Process
Connections
Worldwide

Introduction

MTL's E Series Eurocards are a range of high quality galvanic isolators used as signal conditioning units between field devices and control systems.

MTL has a large installed base within the chemical and oil & gas process industry around the world. The range was developed to meet on-going end user requirements to save costs within their existing solutions. The series includes an offering of both IS and non-IS models and provides all common functions, including HART® compatibility within a 19-inch format.

All MTL Eurocard interface devices conform to DIN41494 and NAMUR EMC standards. The IS range are ATEX, TÜV certified to comply with the CENELEC standard.



Features and Benefits

Rack mounting:

- Mechanically robust installation
- Easy maintenance
- Bussed 24VDC (20-30VDC) mains power supply, loop powered

Three-port isolation:

- Input, output and power supply galvanically isolated to each other
- Input and output fully floating

Multi channel design:

- High packing density with up to 4 channels per isolator
- Space saving to reduce cabinet size

Wide choice of input/output options:

- Signals covered: 0/4...20 mA, 0/1...5 V, 0/2...10 V with live/dead zero option
- THC, mV, frequency

Flexible functions:

- Various functional options specified by a number of sub-order codes

Compatibility with other vendors products:

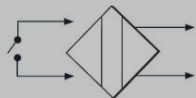
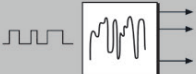
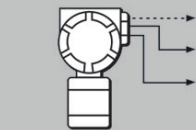
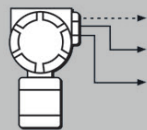
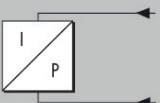
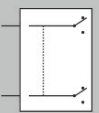
- Our Eurocard range is compatible with other vendors products helping end users to safeguard their investment in existing Eurocard installations

Continued support for your critical plant

High quality IS and non-IS isolators in Eurocard format

Isolator function selector

Each Eurocard type features various options that are specified by the full order code.
See table below for a list of basic functions per isolator.

	CHANNELS	FUNCTION/FEATURE
	Digital Input	
	E05016	4 NAMUR initiators or dry contacts relay Output with 2 contacts per channel
	E05510	2 or 4 NAMUR initiators or dry contacts relay Transistor outputs
	Frequency to Analogue	
	E01003	1 0,06Hz...10kHz NAMUR detectors VORTEX generators Contacts TTL inputs
	Analogue to Frequency	
	E05313	1 Compatible with common counters Choice of analogue output signals Available as DIN-rail version
	Analogue Input	
	E02002	1 Linear or square root characteristics Signal shift option Signal monitor
	E02008	1 or 2 HART® option
	E02009	1 or 2 HART® option
	E02010	1 2 trip points
	Analogue Output	
	E02007	1 or 2 HART® option
	E02949	2 Loop powered
	Temperature Input	
	E01005	1 THC Multi-purpose software configurable Response time < 70ms
	Trip Amplifier	
	E03002	2 4 adjustable trip points
	E03003	2 2 trip points per channel



Wide choice of input and output options

For full details and replacement options please refer to our web site

www.mtl-inst.com

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