

# Eurocard-Adapters



ATEX



## EA\_Series

Eurocard adapters based on modern standard isolators for galvanic signal isolation

- 1:1 replacement for existing Eurocards for almost all installed types from various vendors
- no rewiring or modification to the existing rack required
- SIL1-3 upgrade of existing loops
- completely preconfigured and tested
- based on proven Eaton isolators from the MTL5500 range



### Eurocard-Adapters

The EA\_Eurocard adapter series is designed to accommodate standard isolator modules, such as transmitter power supplies, repeaters or switch amplifiers. The applications include both conventional as well as intrinsically safe (IS) loops in hazardous areas.

Each card is 4 units wide (approx. 20 mm), which means that up to 21 adapters can be housed in a 19" wide rack. The pin compatibility allows a direct replacement of nearly all existing and e.g. discontinued eurocards from many vendors by prefabrication of the cards ex works. No rewiring of the existing racks is required. A loop check can also be carried out quickly.

When ordering, you tell us which existing Eurocard isolator card is to be replaced and we convert to the adapter suitable for your application to support a direct replacement.

The proven, modern isolators from the MTL5500 series from Eaton serve as a basis. Consequently, the respective data sheets, operating instructions, Ex-certificates for use in hazardous areas (if applicable) and safety manuals of the modules provide all relevant information. Full technical details can be found on the manufacturer's website at [https://www.mtl.de/Produkt\\_Trenner\\_MTL5500.html](https://www.mtl.de/Produkt_Trenner_MTL5500.html).

Since the MTL5500 series isolators used provide safety parameters for SIL1 up to SIL3, the modules also allow the implementation of current requirements for safety and availability for field loops concerned.

As standard, all relevant replacement isolators are HART-transparent and thus allow the transmission of important asset management information between field devices and control system that support predictive maintenance.

Excerpt from the product range:

EA\_E02002-20300310, EA\_E02007-30311, EA\_E02008-40311102

EA\_MUS80, EA\_TV80

EA\_3/420, EA\_2/304

EA\_ED2-STC4-EX2, EA\_ED2-SR-Ex2