

DECEMBER 2015

Turck Monthly Newsletter

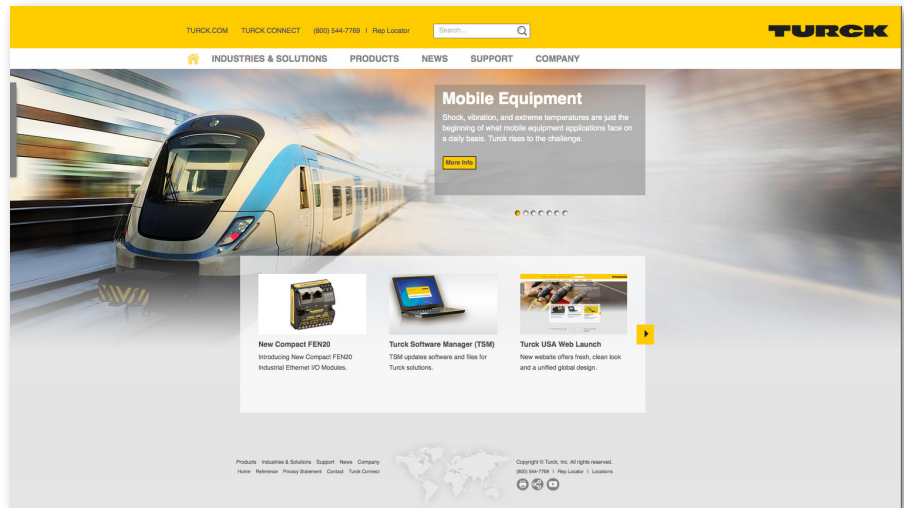
Welcome to the December edition of the Turck Monthly Newsletter, a publication that provides highlights of the company's work! In each issue you'll find recent Turck news in our top industry publications, examples of our latest advertising, and items of interest, such as upcoming trade shows, awards and more.

Have questions? Email Lindsay Fries at Lindsay.Fries@turck.com.

Website

After many meetings and months of preparation, TUSA launched the new website on Saturday, December 5.

The new www.turck.us introduces a responsive web design, which automatically adjusts for optimal viewing and navigation depending on your browser size or when using a mobile device. The new site also introduces many new features to users that were previously not available, including:



Product Power Search

The Product sections feature a new power search, which operates via a series of simple drop down menus. This allows those who either do not have a Part number handy or are unfamiliar with Turck to easily navigate to our products.

Improved Overall Site Search

Of course, those who have a Part or ID number will still be able to simply type in the number and search the site. In fact, the new site successfully combines Part number, ID number, and keyword searches all into one search field.

- Example: search **RK 4t tpe** and you will get the **s1587**
- Example: search **bi m12 uprox** and you will get **200+ results for embeddable Uprox M12**
- Wildcard of ***** will work
- Part number searches with spaces will be searched with spaces and without spaces
 - Example: **bi 4u** will result of **bi 4u** and **bi4u**
 - Note: search of **bi4u** will not give you results of **bi 4u**

Turck in the News

Control: **Captains of the Industry**

This Month's Advertising

- **Automation.com:** Uprox3 Factory Automation e-newsletter sponsorship – [link](#)
- **Design World:** Overmolded Deutsch Connectors and M8 Ethernet print ads
- **Design World:** Connector Tips e-newsletter sponsorships
- **Machine Design:** FAQ sponsorship on Deploying Ethernet in an Industrial Environment – [link](#)

The New Website continued

Enhanced Product Listings

The product section offers enhanced listings, with the ability to get quick info about a part without clicking into a new page, and also allows the user to compare up to four products.

Success Stories and Application Examples

The new website features a section titled Industries and Solutions, which provides a multitude of specific examples

of where and how Turck products are solving customer needs. This section will also continue to grow as more and more examples become available.

While many features that users have come to enjoy (such as links to Turck Connect, the Rep locator, etc.) will still be available on the new site, we will be keeping the old site available for a period of time while users adjust to the new site. The old site can be found at <http://old.turck.us>

Questions and feedback may be sent to info@turck.com

New & Updated Literature

To order new and updated literature you can access this through [Turck Connect](#) by clicking on Orders/Financials, Literature order.

B2403 Ethernet Quick Guide (formerly IS2002)

The updated Ethernet Quick Guide includes updated cable specs and an expanded product listing of In-Stock options.

B3109 Fieldbus Technology

The 'Full Range for Distributed I/O' (B3109) brochure has been updated and is now available with the new title 'Full Range for Fieldbus Technology' (B3109). This brochure serves as a general overview of Turck products available for fieldbus applications. Changes include recent additions to the product offering such as the TBEN family, Turck Safety I/O, and ARGEE, along with general feature updates.

Division updates — the latest in sensors, connectivity and fieldbus technology

Sensors:

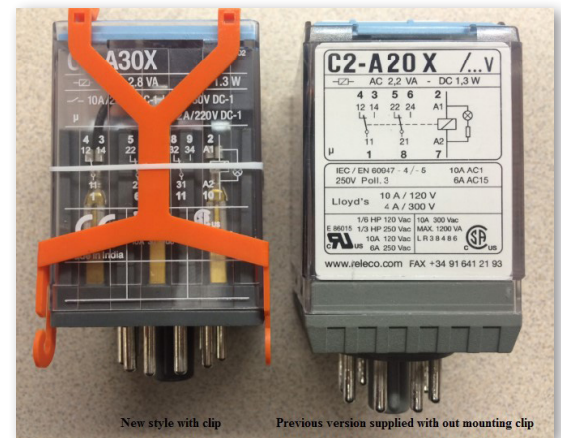
Our partner Comat Releco has announced design changes to the C2 and C3 series of relays that take effect immediately for new production. The design changes are necessary to utilize the latest in manufacturing techniques, reduce individual components inside the relay, and improve overall quality. There will be no significant changes to the electrical ratings, but the mechanical life of the product will increase due to the incorporation of construction principles and material already proven successful in their Railway relay line.

The most noticeable change to the design will be the overall height of the product. The prior versions of the C2 and C3 series were 58 mm tall, while the new versions will be a bit shorter at 52 mm. To make this transition as simple as possible, the relays will be shipped with a mounting clip as shown below. There is no change to the relay bases used with these products.

Sensors continued

Benefits of the new design include:

- Comat Releco no longer uses soldering — all connections are now riveted, welded or crimped in place
- Reduced overall height to conserve space
- Lower power consumption
- Improved resistance to shock, vibration and surge protection
- The plastic parts have been upgraded to a flame retardant polyamide
- Improved flexibility for expedited orders



New product will be phased in over time as both Turck and Releco deplete our stock of “old style” relays before the newer production comes into circulation. Contact Product Management for info regarding last buys for specific part numbers. Turck I.D. numbers and part descriptions will not change.

Connectivity:

minifast® Control Power

Turck has developed a new connectivity solution that is compatible with the control power connection system utilized with Rockwell ArmorStart distributed motor starters. Turck's Minifast control power offering gives an alternative solution for customers to have drop in replacements that tap directly into the existing E-stop control wiring circuits.



Turck's new Minifast control power solution provides customers with an alternative solution

Turck's solution uses a 5-pin connector with the same pin-out as a standard 6-pin Minifast connector. The connector has the pin #4 location on the connector plugged, which ensures it cannot mate with either a standard 5-pin or 6-pin Minifast connector. This prevents any chance of mis-wiring to any other existing connectors in the system and provides a trusted alternative 5-wire solution with the added benefit of quick delivery lead times.

“We had requests from our customers for an alternative connectivity solution that would work in these applications,” said Jay Bartsias, Senior Product Manager for Turck. “We were able to answer their needs by utilizing our existing Minifast components while providing a solution that fits seamlessly into the existing systems.”

The new Minifast product provides the same trusted features as Turck's standard Minifast offering, including NEMA 1, 3, 4, 6P and IEC IP67.

Fieldbus Technology:

IMC Product Update

Turck expands its North American intrinsic safety product line with the compact IMC series. Traditional barriers need to be installed in an enclosure, which means additional wiring time and possible wiring errors. Turck's IMC barriers take advantage of M12 connections to reduce wiring issues, and by mounting directly in the hazardous area (CID2), eliminate the need for an enclosure altogether! Available in either discrete/analog inputs or outputs, the IMC series provides a simple and cost effective solution to any intrinsically safe application. Developed exclusively by Turck, the IMC series provides an excellent complement to Turck's existing process connectivity products.

Additional benefits include:

- M12 connections for IP67 protection
- Visual indicator LEDs
- cFMus, ATEX, IECEx, SIL, CE, TRCU
- -25 to +70 °C operating temperature
- Flammability class V-0 acc. to UL94
- Zone 2/22, Class I Division 2 or Zone 2
- Compact design (125 mm x 32 mm x 25 mm)



ID number	Part number	Function	Approvals					
			FM	ATEX	IEC Ex	SIL	CE	TRCU
M7560003	IMC-DI-22EX-PNO/24VDC	Dual Channel Normally Open Discrete Input	X	X	X	2	X	X
M7560010	IMC-DI-22EX-PNC/24VDC	Dual Channel Normally Closed Discrete Input	X	X	X	2	X	X
M7560008	IMC-DO-11EX/L	Single Channel Discrete Output	X	X	X	3	X	X
M7560004	IMC-AI-11EX-I/L	Single Channel Analog Input	X	X	X	2	X	X
M7560009	IMC-AIA-11EX-I/24VDC	Single Channel Analog Transducer Input	X	X	X	2	X	X
M7560006	IMC-AO-11EX-I/L	Single Channel Analog Output	X	X	X	2	X	X