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E-T-A Introduces 12 V DC Remotely Resettable Electronic Circuit Breaker For Integration into RTU/SCADA Applications

For Immediate Release



E-T-A is pleased to announce the latest addition to its line of electronic circuit protection products. The ESX10-TC is a 12 V DC version of the ESX10-T, 24 V DC product offering and is designed for SCADA/RTU applications – providing optimal protection for both **12 V DC switch-mode power supplies** and **solar/battery based systems**.

The most unique feature of ESX10-TC is the ability to remotely reset the device from outside an enclosure. This can be accomplished via a simple momentary push button or from an output of an RTU or PLC controller. In RTU/SCADA applications, equipment is primarily located in remote unpopulated locations. The remote reset functionality reduces the need for field engineers to travel to sites to troubleshoot equipment – reducing the overall cost of equipment maintenance and downtime.

The ESX10-TC is available in fixed current ratings from 1 A to 10 A and provides selective load protection - ensuring exclusive disconnection of the current path in the event of an overload or short circuit in the field load device without compromising the DC 12 V power source (i.e. battery drain).

The ESX10-TC limits the short circuit current to 1.3 to 1.8 times rated current and disconnects 100 ms after the fault has been detected. Inrush peaks are tolerated from capacitive loads of more than 20,000 μF and is designed with an auxiliary output to provide individual alarm capabilities for critical process flow applications. This space-saving device has a width of only 12.5 mm and 80 mm in height and depth. Its low power consumption makes it ideally suited for battery-buffered DC 12 V applications, specifically in the solar industry.

The ESX10-TC is Din rail ready and can be mounted either individually or in a group side-by-side with a simplistic bus bar system for +12 V DC and ground. Also utilizes the same screw terminals as its 24 V DC counterpart

which allows up to a 10 mm² conductor to be wired directly to the device, this ensures reliable and safe wiring connections.

Approvals:

The ESX10-TC and E-T-A's entire ESX10 product family carries the **ATEX, UL1604 and UL508** approval for use in Class I, Div. 2, Hazardous Location and General Automation applications, respectively.

Availability:

E-T-A's ESX10-TC 12 V DC electronic circuit breaker is available with standard lead times. For technical and ordering information for the ESX10-TC and all other products within E-T-A's electronic circuit breaker offering contact E-T-A directly at 1-800-462-9979 or visit www.e-t-a.com.

About E-T-A:

E-T-A Circuit Breakers is a world leading manufacturer of circuit breakers and is a single-source supplier for most circuit protection technologies: thermal, thermal-magnetic, magnetic and high performance. E-T-A circuit breakers are available in more than 150 models and 350,000 different configurations. E-T-A is also a leading manufacturer of solid state remote power controllers (SSRPCs). All E-T-A circuit protection devices are RoHS compliant. With North American headquarters in Chicago, the company serves industrial OEMs and end-users.