Hybrid Safety I/O Module for EtherNet/IP and CIP Safety

Turck0717.jpg:
Turck customers can now bring safety and standard signals in parallel to the Allen-Bradley controller via Ethernet/IP
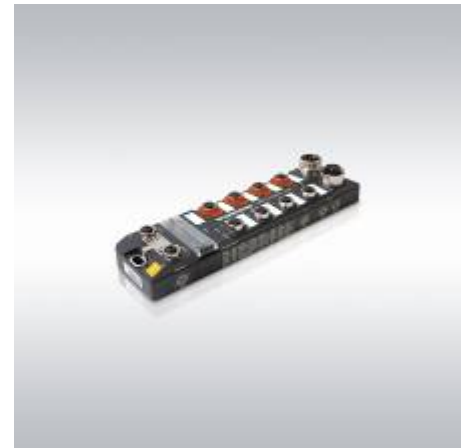
TBIP hybrid module completes Turck's portfolio of safety solutions

Mülheim, March 29, 2017 – Turck's TBIP offers another hybrid safety block I/O module that combines standard and safety outputs in a single device – in this case for Ethernet/IP and CIP Safety. The TBPN model for Profinet/Profisafe is already available. Both IP67 hybrid modules can be adapted flexibly to the actual signal requirements in the machine and also operated as a remote safety controller. The safety functions can also be configured and tested without being connected to the subsequent safety PLC. The high IP65/IP67/IP69K degrees of protection allow use in the most demanding environments. Decentralized plants and modular machine concepts can also be implemented without the need for any additional control cabinets.

On the safety side the hybrid modules offer two safety inputs for connecting safety sensors such as light curtains or emergency-stop buttons. Two additional safety channels can be used either as inputs or outputs. The four universal inputs/outputs for connecting non-safety-related signals can switch up to 2 A. Two of the I/Os can also be connected as IO-Link masters. In combination with Turck's I/O hubs, users can connect up to 32 additional I/Os to the module in this way. Both the standard channels as well as an IO-Link channel of the TBIP can be disconnected internally for safety-related applications, thus considerably simplifying the wiring of auxiliary drives and valve blocks. Turck has developed the robust safety modules for an extended temperature range from -40°C to +70°C.

The hybrid module completes Turck's portfolio of safety products. Besides the safety I/O technology and compact safety controllers with IP20 and IP67 protection it includes safety inductive, magnetic and capacitive proximity switches, light curtains, two-hand controllers, emergency stop buttons and safety position switches.