

Hybrid Module for Standard and Safety I/Os

Turck's hybrid Profinet/Profisafe module with IP67 protection can be adapted flexibly to the signal requirement of any machine

Mülheim, October 20, 2015 – Turck is presenting the TBPN safety block I/O module, which is the first module to combine both standard and safety inputs/outputs in a single device. The IP67 hybrid modules can be adapted flexibly to the specific signal requirement in the machine. They thus help users to implement space saving and inexpensive wiring of their machines.

On the safety side of the Profinet/Profisafe module, the user has two safety inputs for connecting different 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 TBPN can be disconnected for safety-related applications, thus considerably simplifying the wiring of auxiliary drives and valve blocks. Turck has developed the robust safety module for an extended temperature range from -40 to +70 °C. The IP65/IP67/IP69K protection types allow use in the most demanding environments.

PRESS RELEASE 23/15



Turck2315.jpg:
TBPN: The first hybrid Safety-Standard I/O module

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