

AIDA Block I/O Modules

Turck is adding modules with AIDA connection technology for the automotive industry to its TBEN multiprotocol series

Mülheim, October 20, 2015 – Turck is showcasing at the SPS IPC Drives fair its block I/O modules with the AIDA connector system. The company is thus able to develop further applications for its robust I/O modules in the German automotive industry. The simple push-pull principle of the AIDA connectors guarantees the reliable connection of Ethernet and power supply cables without the need for a screw connection. The metal AIDA flange ensures the high mechanical resistance of IP67 and IP69K as well as the operating temperatures from -40 to +70 °C of the TBEN module.

Turck offers three module variants with AIDA connection technology: TBEN-A1-16DXP with 16 universal inputs or outputs, the variant -16DIP with 16 digital inputs and the variant -8DIP-8DOP with eight digital inputs and eight digital outputs. All modules of the TBEN series – including the variant with universal I/O (16DXP) – separate the I/O channels consistently into the electrically isolated potential groups “switchable I/O” and “non-switchable I/O”. The use of these highly flexible 16DXP device variants thus makes it possible to implement the safety shutdown of plant sections using emergency-stop circuits.

The media redundancy (MRP) and fast startup (FSU) functions required by AIDA for Profinet are integrated. All AIDA module types can also be operated on the Ethernet/IP or Modbus TCP Ethernet protocols as an alternative to Profinet. The TBEN-AIDA modules will be available from the beginning of 2016.

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TBEN-L-AIDA: Robust IP69K block I/O modules for the German automotive industry

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