Your Global Automation Partner

TBEN-A | BL67 GW-PN-AC
AIDA Modules

Compact and Modular Solutions

In addition to the AIDA gateway BL67-GW-PN-AC for the modular IP67 I/O system BL67, with it's new TBEN-A Series Turck now offer Block I/Os featuring AIDA interfaces as well. The simple push-pull principle of the AIDA interface guarantees the reliable connection of the Ethernet and power cable without screw connection. AIDA receptacles made of metal ensure the high resistance of the TBEN-A modules up to the protection classes IP67 and IP69K.

The wide operating temperature range from -40 to +70 °C supports the reliable use in harsh climates. The functions required by AIDA for PROFINET, media redundancy (MRP) and fast start-up (FSU), are implemented. In addition to PROFINET, the TBEN-AIDA modules can also be operated with the Ethernet protocols EtherNet/IP or Modbus TCP.

The TBEN-A series consists of three variants: The 16DXP with 16 universal inputs or outputs, 16DIP with 16 digital inputs and 8DIP-8DOP with 8 digital inputs and 8 digital outputs. All modules of the new generation - including the variants with universal I/O (16DXP) - consistently separate the I/O-channels in the isolated potential groups "disconnectible I/Os" and "not disconnectible I/Os". The safety-related shutdown of system sections via emergency stop circuits is thus even possible, if the highly flexible 16DXP device variants are used.

Your Benefits

- Modules meet the requirements of the AIDA consortium
- Versatile use thanks to IP65, IP67, IP69K and wide temperature range
- Safety-related shutdown of system sections even with universal I/Os
- Easily mounted

AIDA Modules

- High quality housing
- Resistant to oscillation and vibration
- Easily configurable via configuration files
- Extended temperature range -40…+70 °C
- TBEN: Integrated supply concept, freely configurable I/Os can be used for safety-related shutdown
- TBEN: Web server for additional diagnostics
- TBEN: Ethernet multiprotocol technology for Modbus TCP, EtherNet/IP, PROFINET
- TBEN: Protection classes IP65, IP67, IP69K
- BL67: Compatible with IRT-PROFINET networks
- BL67: Protection class IP65

ID number	Type code	Description
6814013	TBEN-A1-16DIP	AIDA block I/O module with 16 digital inputs, PNP
6814014	TBEN-A1-8DIP-8DOP	AIDA block I/O module with 8 digital inputs PNP and 8 digital outputs, 2 A, PNP
6814016	TBEN-A1-16DXP	AIDA block I/O module with 16 universal digital inputs/outputs, 2 A, PNP
6827345	BL67-GW-PN-AC	AIDA gateway for the modular BL67 system

Accessories

ID number	Type code	Description
6935643	AIDA-GP-AIDA-GP-52-0,3M	AIDA power cable, 5-pin, 0.3 m
6935644	AIDA-GP-AIDA-GP-52-1M	AIDA power cable, 5-pin, 1 m
6935647	AIDA-GP-AIDA-GP-52-10M	AIDA power cable, 5-pin, 10 m

Other lengths available on request

ID number	Type code	Description
6935648	AIDA-GC-AIDA-GC-4416-0,3M	AIDA RJ45 Ethernet cable, 0.3 m
6935649	AIDA-GC-AIDA-GC-4416-1M	AIDA RJ45 Ethernet cable, 1 m
6935652	AIDA-GC-AIDA-GC-4416-10M	AIDA RJ45 Ethernet cable, 10 m
6935653	AIDA-GC-RSSD-4416-0,5M	AIDA RJ45 to M12 Ethernet cable, 0.5 m

Other lengths available on request

ID number	Type code	Description
6902502	FW-AIDA-RJ45-ME	AIDA RJ45 Ethernet connector, metal housing, field-wireable
6902504	FW-AIDA-POWER-ME	AIDA supply connector, 5-pin, metal housing, field-wireable
6935631	AIDA-RJ45-CC	Closure cap for AIDA receptacle Ethernet
6935632	AIDA-POWER-CC	Closure cap for AIDA receptacle supply

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