TURCK

Industrial Automation

BL67 – VALVE CONNECTION

Industrial Automation
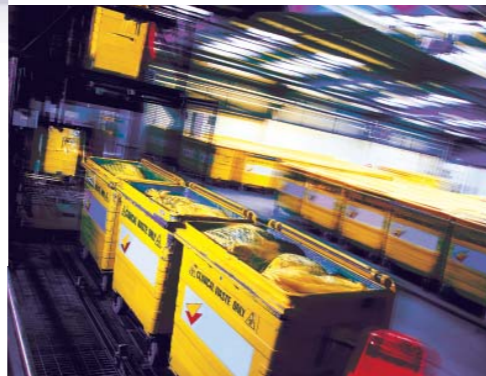
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❑ Ultraschallsensoren
❑ Strömungssensoren
❑ Drucksensoren
❑ Füllstandssensoren *levelprox*®
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❑ RFID-System *BLident*
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❑ Zeit- und Überwachungsrelais
❑ Ex-Schutz – Grundlagen für die Praxis (Übersichtsposter)

Interface technology
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❑ Devices on 19" card
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❑ Programmable relays and timers
❑ Explosion protection – basics for practical application (overview poster)

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❑ Kompakte Feldbuskomponenten PROFIBUS-DP/DeviceNet™/ Ethernet
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❑ BL67 – modulares Feldbus-I/O-System in IP67
❑ BL20 – modulares Feldbus-I/O-System in IP20
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❑ Segmentkoppler
❑ FOUNDATION™ fieldbus-Feldbuskomponenten
❑ PROFIBUS-PA-Feldbuskomponenten
❑ Feldbussystem *sensoplex*®*2/2Ex*

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❑ *piconet*® – modular fieldbus I/O system in IP67
❑ BL67 – modular fieldbus I/O system in IP67
❑ BL20 – modular fieldbus I/O system in IP20
❑ Remote I/O system *excom*®
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❑ FOUNDATION™ fieldbus fieldbus components
❑ PROFIBUS-PA fieldbus components
❑ Fieldbus system *sensoplex*®*2/2Ex*

ANTWORT/REPLY

Absender/Sender:

Name:

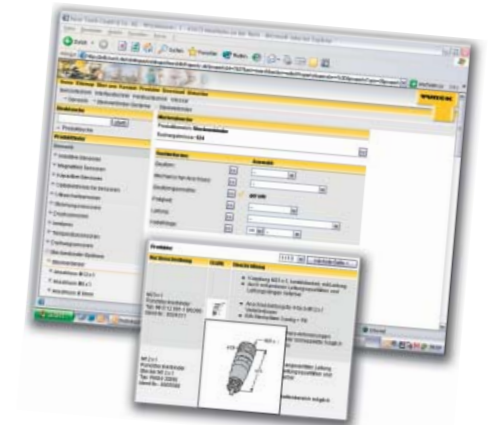Firma/Company:

Adresse/Address:

Tel./Phone: Fax:

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... with multi-pole connectors

- **Connection of multiple valve blocks from different manufacturers**
- **Integration of valve blocks with digital output modules with 4, 8 or 16 channels**
- **Base modules with 12 or 19-pin M23 male connectors**
- **Channel-related short-circuit and wire-break detection**
- **Configurable current monitoring**
- **Soldered or crimped connection using prefabricated M23 plugs**

Digital output modules with 4, 8 or 16 channels are available for integrating standard multiple valve blocks into the BL67 modular I/O system. The BL67 output modules can, for example, be combined with a 12 or 19-pole M23 base module from the BL67 product range.

Premoulded 12 or 19 pin, soldered or crimped M23 plugs are available for connecting the valve blocks.
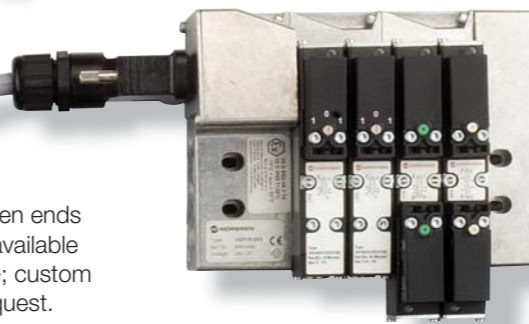
The 16-channel BL67-16DO-0.1A-P output module was developed especially for switching valve blocks and offers additional special features for such applications:
- Channel-related short circuit monitoring
- Wire-break detection
- Configurable current monitoring

With our standard module configuration the wire-break and short-circuit monitoring can be activated and the parameters for current monitoring set. Moreover DPV1 service functions can be realized with this module. This also includes channel-related counters for operating times and number of switching operations.

Premoulded M23 cables with open ends as well as valve connectors are available from stock in our standard range; custom versions are also available on request.

... via CAN-based Subbus

- **Integration of up to 8 CANopen nodes with BL67-1CVI interface module**
- **Integration of CANopen valve blocks from different manufacturers**
- **No special CANopen knowledge required**
- **Base module with one M12 x 1 male connector for the bus cable**
- **Monitoring of individual nodes with configurable watchdog timer**
- **Use of standard M12-CANopen/ DeviceNet™ bus cable**

As an alternative to the multiple valve blocks, CANopen valve blocks can also be integrated into the BL67 system. The CAN valve interface module BL67-1CVI was realized especially for this purpose. Up to 8 nodes can be connected per CVI module depending on the data volume.

Other stations such as a compact I/O modules for example, can be connected in addition to the standard CANopen valve blocks. A significant feature of the CVI module entails that the node can be connected to the BL67 system and operated without any CANopen knowledge. All the necessary settings are implemented automatically by the CVI module.
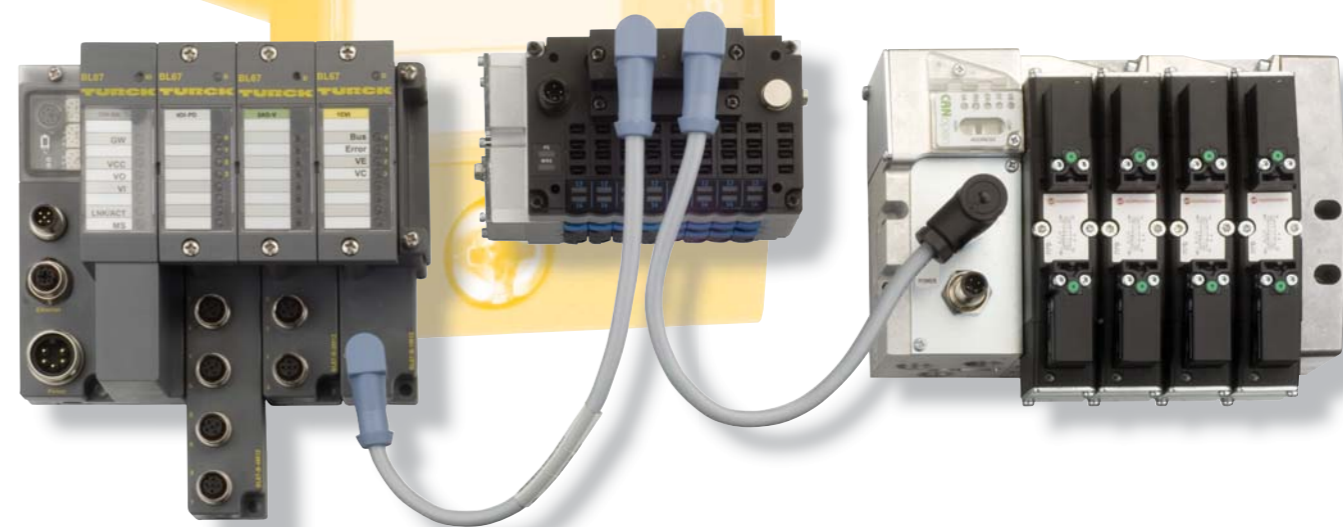
The engineering is reduced to just a few parameters per CANopen node:
- Node active/inactive
- Guarding active/inactive
- Number of input bits (4, 8...32 bit)
- Number of output bits (4, 8...32 bit)
The parameters can be set as usual on the master control – in the configuration files such as GSD, GSDML or EDS or using the software tool I/O-ASSISTANT.

8 bytes of input data and 8 bytes of output data can be configured.

BL67 Output modules and accessories

Ident	Type	Description
6827221	BL67-16DO-0.1A-P	16 digital outputs each with 0.1 A switching capacity
6827216	BL67-B-1M23-19	1 female, M23, 19-pin
6604208	FW-M23ST19Q-G-LT-ME-XX-10	M23 male, 19-pin, soldered
6827172	BL67-8DO-0.5A-P	8 digital outputs each with 0.5 A switching capacity
6827213	BL67-B-1M23	1 female, M23, 12-pin
6604070	FW-M23ST12Q-G-LT-ME-XX-10	M23 male, 12-pin, soldered (alternative: also crimped)

BL67 Interface modules and accessories

Ident	Type	Description
6827223	BL67-1CVI	Connection of max. 8 CANopen nodes
6827185	BL67-B-1M12	1 female, M12 x 1, 5-pin
6602473	RSC-RKM572-0.3M	M12 CAN fieldbus 0.3 m (as example)
6602308	RSE57-TR2	Terminating resistor male M12
6622101	FSM-2FKM57	T piece for CAN bus M12
6602331	VB2-FKM-FKM-FSM57	Y piece for CAN bus M12