

Translation



(1) **Statement of Conformity**

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



- (3) **Statement of Conformity Number:**

TÜV 20 ATEX 264795 X

Issue: 01

- (4) for the product: Block I/O modules type TB**-L*-(Y)****(-Y****)(*****),
TBIL-M1-(Y)****(-Y****)(*****), TBEN-S*-(Y)****(-Y****)(*****)

- (5) of the manufacturer: Hans Turck GmbH & Co. KG

- (6) Address: Witzlebenstraße 7
45472 Mülheim an der Ruhr
Germany

Order number: 8003029680

Date of issue: 2021-03-02

- (7) The design of this product and any acceptable variation thereto are specified in the schedule to this Statement of Conformity and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential ATEX Assessment Report No. 21 214 291308.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-7:2015

EN 60079-31:2014

except in respect of those requirements listed at item 18 of the schedule.

- (10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions for use specified in the schedule to this Statement of Conformity.
- (11) This statement of conformity relates only to the design, examination and tests of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this Statement of Conformity.
- (12) The marking of the product must include the following:



II 3 G Ex ec IIC T4 Gc

II 3 D Ex tc IIIC T115 °C Dc

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

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(13) SCHEDULE

(14) Statement of Conformity No. TÜV 20 ATEX 264795 X Issue 01

(15) Description of product

The Block I/O modules

type TB**-L*-(Y)****(-Y****)(****), TBIL-M1-(Y)****(-Y****)(****), TBEN-S*-(Y)****(-Y****)(****) are used for factory automation and are prepared for fieldbus PROFIBUS-DP, CANopen, Modbus TCP, Ethernet/IP™, PROFINET and Ethercat. The IP67-modules are for use in harsh environments have glass-fiber reinforced plastic housings and metal-connectors, are fully potted, vibration and shock-proof.

The permissible ambient temperature range is -25 °C ... +60 °C.

Type designation:

TBXX	-XX	-(Y)XXXX	(-YXXXX)	(XXXXX)	Software Firmware	Nicht Zulassungsrelevant	
					Y -> Anzahl I-O / Technologie Typ:	DIN: digital in NPN; DIP: digital in PNP; DON: digital out NPN; DOP: digital out PNP; DXN: digital crossfunc. NPN; PLC; SE: switch ethernet DXP: digital crossfunc. PNP; FDX: safe digital crossfunc. FDI: safe digital in	RFID IOL EN1: HW von 16DIP FDIO1: Safe digital In-Out AO, AI: analog
					Y -> Anzahl I-O / Technologie Typ	L Large M Medium S Small	4: 7/8 4Pol; 5: 7/8 5Pol; L: M12 5Pol; 1: (wie 5) alt; 2: (wie 5) mit serieller Kom. 1: 1x IO-Link M12 8 x E/A M12 1: 4xM12; 2: 8xM8
					Gehäuse / Ausführung	DP Profibus EC Ethercat EN Ethernet Multiprotokoll IL I/O Link IP Ethernet IP PN Profinet	
					Turck Box/Protokoll		

Electrical data

TB**-L*-(Y)****(-Y****)(****):

P-switching:

$U_n = 24 \text{ VDC} \pm 10 \%$

$I_{\max}$ (total per module) = 9 A

$I_{\max} = 1.5 \text{ A}$ (per output) DI(P), DOP, DX(P), RFID, IOL, PLC, SE

The electrical data for the Safety-Modules have to be taken from the data sheet.

N-switching:

$U_n = 24 \text{ VDC} \pm 10 \%$

$I_{\max}$ (total per module) = 9 A

$I_{\max} = 1.0 \text{ A}$ (per output) DIN, DON, DXN

TBIL-M1-(Y)****(-Y****)(****):

$U_n = 24 \text{ VDC} \pm 10 \%$

$I_{\max}$ (total per module) = 4 A

$I_{\max}$ (per channel DIP, DOP, DXP) = 0.5 A;

for TBIL-M1-16DXP-B variant: $I_{\max}$ (per connector) = 1.5 A

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TBEN-S*-(Y)****(-Y****)(*****)

$U_n = 24 \text{ VDC} \pm 10 \%$

with digital I/Os:

$I_{\max}$ (total per module) = 5.5 A

$I_{\max}$ (per output) for DIP, DOP, DXP, RFID, IOL = 0.5 A

with analog I/Os:

$I_{\max}$ (total per module) = 5.5A

$I_{\max}$ (C0-C3 Supply of sensors or actuators per connector) = 1 A

(16) Drawings and documents are listed in the ATEX Assessment Report No. 20 214 264795.

(17) Specific conditions of use

1. The block I/O modules type TB**-L*... may be installed in an area of not more than pollution degree 2.
2. The connecting and disconnecting of all energized electrical circuits and the operation of switches is only permitted, if no explosion hazardous atmosphere is available.
3. The metallic protective cover must be connected to the potential equalization in the explosion hazardous area.
4. The installation of the apparatus must not be performed in areas with critical influence of UV light.
5. The equipment has to be installed in such a way, that, under normal conditions of use, dangers from electrostatic charges are avoided.
6. All plug connectors have to be installed; not used connectors have to be protected with blind plugs.

(18) Essential Health and Safety Requirements

no additional ones

- End of Statement -