

(1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

TÜV 17 ATEX 8150 X

Issue: 00

- (4) Equipment: **GTB * series, Increased Safety Junction Boxes**
- (5) Manufacturer: **MASHIN SAZI SHOMAL PIROOZ**
- (6) Address: **No. 5, 2nd Baharestan St., pasdaran Ave. Tehran, Iran**
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.
- The examination and test results are recorded in the confidential report 557/Ex8150.00/17
- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:
- EN 60079-0:2012+A11:2013 EN 60079-7:2007 EN 60079-31: 2014**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



II 2 G Ex e IIC T* Gb

II 2 D Ex tb IIIC T100°C Db

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2018-03-12

Dipl.-Ing. Andreas Maschke

This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
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(13) Annex

(14) **EU Type Examination Certificate**
TÜV 17 ATEX 8150 X Issue: 00

(15) Description of equipment

15.1 Equipment and type:

GTB * Series

The model type designation differs because of the size:

S.no	SEMC Part Number	Original Model Number
1	GTB 01	Ex-GJB-807555-U
2	GTB 02	Ex-GJB-1107555-U
3	GTB 03	Ex-GJB-12212090-U
4	GTB 04	Ex-GJB-1607555-U
5	GTB 05	Ex-GJB-1607575-U
6	GTB 06	Ex-GJB-16016090-U
7	GTB 07	Ex-GJB-1907555-U
8	GTB 08	Ex-GJB-22012090-U
9	GTB 09	Ex-GJB-255250120-U
10	GTB 10	Ex-GJB-26016090-U
11	GTB 11	Ex-GJB-36016090-U
12	GTB 12	Ex-GJB-400250120-U
13	GTB 13	Ex-GJB-400405120-U

Refer to manual to get detailed technical information.

15.2 Description / Details of Change

General product information

The Glass Reinforced Polyester (GRP) enclosure types GTB Series, as operating devices for areas with explosion hazards, fulfill the requirements of EN/IEC 60079-0, EN/IEC 60079-7 for Increased Safety and EN/IEC 60079-31 for dust ignition protection by enclosure. It is an electrical operating material made from GRP black with cover and bottom part are screwed together by means of captive lid - Tightening torque for: M4 (1 to 2) Nm, M6 (2 to 4) Nm. The sealing type is a key and slot system with a silicone sealing. For the internal installation there are fixing screw threads in the bottom ribs to which the carrying rails for clamps will be

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screw fastened. Fastening is also possible by inserting a mounting plate. Screw fastening channels outside the sealing space are provided for supporting the enclosure.

Technical Data

U_r: 690V AC/DC
I_r: 225A Maximum

Rated ambient temperature Ta:

-50°C to +40°C for T6

-50°C to +55°C for T5

-50°C to +70°C for T4

-50°C to +55°C for T100°C

(16) Test-Report No. 557/Ex8150.00/17

(17) Special Conditions for safe use

1. All cable entry devices and blanking elements shall be suitably certified for the conditions of use and correctly installed per manufacturer's instruction
2. All unused conduit/cable openings must be fitted with a certified close up plug equivalent of the apparatus and must be marked with an IP66 rating.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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