

(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 8140 U

Issue: 00

- (4) Equipment: **GTB * series, Increased Safety Empty 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/Ex8140.00/17
- (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 Gb

II 2 D Ex tb IIIC 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
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13)

Annex

(14)

EU Type Examination Certificate

TÜV 17 ATEX 8140 U

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 Ex empty enclosure may be used for fitting electrical and mechanical components. The enclosure consists of high-quality Glass Reinforced Polyester with graphite added. Lid and base are screwed together with stainless steel captive screws.

A groove and tongue system with inserted sealing cord between the lid and base assures the

high protection class IP 66 as per IEC 60529. The enclosure is mounted through the screw channels lying outside the sealing space. The enclosures conform to the relevant standards IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31.

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(16) Test-Report No. 557/Ex8140.00/17

(17) Schedule of limitations

1. All cable entry devices and blanking elements must be certified for protection types 'e' and 'tb' and must have a minimum IP 66 rating.
2. All unused device openings must be fitted with a certified close-up plug of protection types 'e' and 'tb' and must have a minimum IP 66 rating.
3. The suitability of all entries should be considered in the end use application.
4. The service temperature range is -50°C to +100°C

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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