

Supplement Nr: 2
EU-Type Examination Certificate

(1)

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **IEP 19 ATEX 0723X**(4) Product / Brand: **Terminal Box, DMD10, DMD14 and DMD21 Types/ Mithes**(5) Company Name: **MTM Elektrik A.Ş.**(6) Company Address: **Soğanlık-Yeni Mah. Pegaz Sok. No:6A-3 34880 Kartal, İstanbul - TURKEY**

(7) This product and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, 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 confidential Report Nr: IEP.Rp.Ex.10-1520-2 date 13.05.2022.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN IEC 60079-0: 2018 , EN 60079-7: 2015 , EN 60079-31: 2014

(10) If the sign " X " is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction 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 product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

**II 2G Ex eb IIC T4 (Max.) Gb****II 2D Ex tb IIC T(Max. 135 °C) Db, IP66****Responsible Person :**

Nurettin Terzioğlu
Head of Certification Body

**Supplement 2 Date of Issue : 17.05.2022**



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(13) Schedule

(14) Certificate No: IEP 19 ATEX 0723X

(15) Description of Equipment;

DMD10, DMD14, and DMD21 type terminal boxes are used for electrical cable connections. The terminal box is made of fireproof antistatic glass fiber reinforced polyester. The box has eb-type ex- protection. External and internal equipment used in the box must be ATEX certified. Ex e-type ex-proof cable glands are used in the cable entries. DMD10, DMD14, and DMD21 terminal boxes have a protection class of IP 66. DMD10, DMD14, and DMD21 type terminal boxes can be used in Zone 1 / 2 and Zone 21 / 22 areas described in the standards EN 60079-10-1 and EN 60079-10-2.

Technical Parameters;

Type	DMD10	DMD14	DMD21
Dimensions	102x102x82 mm (outer), 92x92x72 mm (inner)	141x141x91 mm (outer), 131x131x81 mm (inner)	151x211x111 mm (outer), 141x201x101 mm (inner)
Cable Gland	M 16 x1,5 and M 40 x 1,5	M 16 x 1,5 and M 40 x1,5	M 16 x1,5 and M 50 x 1,5
Protection Class	IP 66		
Max. Terminal	6 x 4 mm ²	6 x 10 mm ²	8 x 16 mm ²
Max. Current	6 x 32A	6 x 57A	8 x 76A
Voltage	800 V AC (Max)	800 V AC (Max)	800 V AC (Max)
Ambient Temperature	- 65 °C ~ + 70 °C		

(IEP 19 ATEX 0723X) X means: Internal equipment should be selected according to Max T4 temperature class and IP 66 protection class. The installation of the terminal box internal and external equipment must be done by the manufacturer or authorized bodies. The installation must be carried out according to the assembly guide. If the flowing current through the terminals inside the enclosures is at maximum rating, following temperature class ratings should be considered according to ambient temperatures (both for DMD14, DMD21 & DMD10), to prevent any ignition risk.

If Ta is 40 °C \Rightarrow T class T6, If Ta is 50 °C \Rightarrow T class T5 and If Ta is 70 °C \Rightarrow T class T4.

(16) Essential Health and Safety Requirements:

16.1 Are included in standards, which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instructions.

16.2 At the installation and the operation of the DMD10, DMD14 and DMD21 type terminal box the rules in the assembly guide must be followed.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body





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(17) Schedule

(18) Certificate No: IEP 19 ATEX 0723X

(19) List of Documentation:

- Box assembly guide	: DMD.050, 7 pages, date February 2020.
- Component list	: DMD.010, 1 page, date 05.02.2020.
- IP test report	: TSE Report No 326876, date August 2019.
- Routine test report	: DMD.030, date 11.06.2019.
- Low Temperature Operational Test report	: ÇEV_039/05-22, date 29.04.2022.
- New equipment coding table	: 1 page, date 05.02.2020
- Cable record entry table	: 1 page, date 05.02.2020
- User Manual	: 9 pages, date 15.04.2022.
- Component list	: 15 pages, date 15.04.2022.

(20) Drawings:

Drawings Nr;	Drawing Name;	Date;
DMD.020	Label	11.06.2019
DMD.040	Mounting detail	11.06.2019
DMD.060	Dimensional drawings	11.06.2019
DMD.060	Seal drawings	11.06.2019
DMD.070	Grounding connection drawing	11.06.2019
AT0030220EN	Dimensional drawings horizontal	05.02.2020
AT0030221EN	Dimensional drawings vertical	05.02.2020
AT001021EN	DMD10 Dimensional Drawing(front)	15.04.2022
AT001022EN	DMD10 Dimensional Drawing(side)	15.04.2022

Certificate History:

Supplement Nr	Supplement Date	Summary Description of Variation
02	17.05.2022	<ul style="list-style-type: none">DMD 10 Model AdditionEN IEC 60079-0 standard upgrade (2018 version)
01	07.04.2020	<ul style="list-style-type: none">Scope Addition (New Model: DMD 21 Type)Equipment Coding Revision
00	27.09.2019	First issue of certificate

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



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