Supplement Nr: 01

(1) EU-Type Examination Certificate

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

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 20 ATEX 0820X**

(4) Product: **M-SBRXM, M-SBRXN and M-DBRXM, M-DBRXN Series Glands**

(5) Firm Name **MSM Mühendislik Elektromekanik San. Tic. Ltd. Şti.**

(6) Firm Address: **Barbaros Mah. Millet Cad. No: 38 Ataşehir / İSTANBUL - TÜRKİYE**

(7) This product 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.10-1707-1 date 18.05.2026.

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

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X"is placed after the certificate number, it indicates that the equipment or protective system 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 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:

I M2 Ex db/eb I Mb
II 2G Ex db/eb IIC Gb
II 2D Ex tb IIIC Db

Responsible Person :

Nurettin Terzioglu
Head of Certification Body

Supplement 01 Date of Issue : 20.05.2026

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
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Tel: +90 232 431 17 45 (pbx) e-mail: iep@iep.com.tr Fr:45

(13) Certificate Nr: **IEP 20 ATEX 0820X**

(14) Technical Details:

M-SBRXM Series Flexible Conduit Glands						
Product Code	Metric Size	Suitable Flexible Type	Flexible Size	Clamping Range Min.	Clamping Range Max.	Thread Size (mm)
M-SBR1M	M12x1,5	M..-10	10-1/4"	4	8	12
M-SBR2M	M16x1,5	M..-13	13-3/8"	5	10	16
M-SBR3M	M20x1,5	M..-16	16-1/2"	6	12	20
M-SBR4M	M25x1,5	M..-21	21-3/4"	13	18	25
M-SBR5M	M32x1,5	M..-26	26-1"	18	25	32
M-SBR6M	M40x1,5	M..-35	35-11/4"	22	32	40
M-SBR7M	M50x1,5	M..-40	40-11/2"	30	38	50
M-SBR8M	M63x1,5	M..-52	52-12"	34	44	63
M-SBR9M	M75x1,5	M..-63	63-21/2"	48	57	75
M-SBR10M	M80x1,5	M..-78	78-3"	56	70	80
M-SBR11M	M100x1,5	M..-102	102-4"	70	89	100

M-SBRXN Series Flexible Conduit Glands						
Product Code	NPT Size	Suitable Flexible Type	Flexible Size	Clamping Range Min.	Clamping Range Max.	Thread Size (mm)
M-SBR1N	1/4″	M..-10	10-1/4"	4	8	16
M-SBR2N	3/8″	M..-13	13-3/8"	5	10	16
M-SBR3N	1/2″	M..-16	16-1/2"	6	12	16
M-SBR4N	3/4″	M..-21	21-3/4"	13	18	16
M-SBR5N	1″	M..-26	26-1"	18	25	20
M-SBR6N	11/4″	M..-35	35-11/4"	22	32	20
M-SBR7N	11/2″	M..-40	40-11/2"	30	38	20
M-SBR8N	2″	M..-52	52-12"	34	44	20
M-SBR9N	21/2"	M..-63	63-21/2"	48	57	22
M-SBR10N	3"	M..-78	78-3"	56	70	25
M-SBR11N	4"	M..-102	102-4"	70	89	25

(15) Glands made from according to MS 58 Brass, Brass nickel plated. The ranges of cable glands are metallic and intended to terminate rigid / flexible steel conduit or cables (as defined type designations) into a threaded entry point within associated flameproof, increased safety or dust tight enclosures (as defined by their coding). Cable gland sealing ring is made from silicone. Cable gland gasket is made from chloroprene rubber.

The glands are intended to terminate tape cables into enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice. They consist of a male-threaded front entry component, a front seal, a main body component, a rear seal, an actuating nut and a rear running coupling. The front entry component is intended to screw into an entry point of its associated enclosure. The seals are compressed onto the cable when the body component and actuating nut are tightened. Continuity diaphragm and skid washer is fitted behind the front seal. Cable gland series has been evaluate in the contents of IP 66/68 with by cable.

Responsible Person :
Nurettin Terzioglu
Head of Certification Body

(16) Certificate Nr: **IEP 20 ATEX 0820X**

(17) Technical Details:

M-DBRXM Series Rigid Conduit Glands						
Product Code	Metric Size	Thread (mm)	Suitable Rigid Conduit Type	Clamping Range Min.	Clamping Range Max.	Thread Length Size (mm)
M-DBR3M	M20x1,5	20	1/2"	10	14	16
M-DBR4M	M25x1,5	25	3/4"	13	18	16
M-DBR5M	M32x1,5	32	1"	18	25	16
M-DBR6M	M40x1,5	40	11/4"	22	32	18
M-DBR7M	M50x1,5	50	11/2"	30	38	18
M-DBR8M	M63x1,5	63	2"	34	44	20
M-DBR9M	M75x1,5	75	21/2"	48	57	22
M-DBR10M	M80x1,5	80	3"	56	70	25
M-DBR11M	M100x1,5	100	4"	70	89	25

M-DBRXN Series Rigid Conduit Glands						
Product Code	NPT Size	Thread (mm)	Suitable Rigid Conduit Type	Clamping Range Min.	Clamping Range Max.	Thread Length Size (mm)
M-DBR3N	1/2"	21,336	1/2"	10	14	16
M-DBR4N	3/4"	26,670	3/4"	13	18	16
M-DBR5N	1"	33,401	1"	18	25	16
M-DBR6N	11/4"	42,164	11/4"	22	32	18
M-DBR7N	11/2"	47,800	11/2"	30	38	18
M-DBR8N	2"	60,325	2"	34	44	20
M-DBR9N	21/2"	73,025	21/2"	48	57	22
M-DBR10N	3"	88,900	3"	56	70	25
M-DBR11N	4"	114,300	4"	70	89	25

Mechanical Material;

Brass to EN12164: Grade CuZn39Pb (CW614N)

Isolation Materials;

Silicone sealing ring : (- 60 ~ + 180) °C

Chloroprene gasket : (- 40 ~ + 100) °C

(18) Essential Health and Safety Requirements Of Annex II: This certificate is in the contents of standards that mentioned in item (9) It has been accepted that gland series are manufactured according to the producer instructions and the standards mentioned above.

(19) Drawings:

Drawing Nr;	**Date;**
M-SBR...M (8 Pages)	06.03.2020
M-SBR...N (7 Pages)	06.03.2020
M-DBR...M (5 Pages)	29.04.2020
M-DBR...N (4 Pages)	29.04.2020

(20) Installation must be done according to the manual. User manual 2 pages, dated 12.07.2019. If the chemical property of the material changes, the certificate becomes invalid. Part list 12.07.2019 , 2 page. The clamping forces must comply with the standard and installation instructions.

Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
01	20.05.2026	Standard Update and Ex Code Revision
00	28.05.2020	First issue of certificate

Responsible Person :
Nurettin Terzioglu
Head of Certification Body

Supplement 01 Date of Issue : 20.05.2026