IEP ENERGY PETROLEUM INSTITUTE

IEP ATEX

(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 24 ATEX 1475X**

(4) Product: **FS-Q XYZ Series Plug and Socket**

(5) Firm Name: **DÜNYAEKS ELEKTRİK MAK. MÜH. SANAYİ VE TİCARET LİMİTED ŞİRKETİ**

(6) Firm Address: **MahmutpaşaMah. Mahmutpaşa Cad. Kardelen Sok. No:93/D Başiskele / İzmit / KOCAELİ /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. Ex.RP.10-2960 date 26.08.2024.

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

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

(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 db IIB T5 Gb
II 2D Ex tb IIIC T95°C Db, IP 66

ENERGY PETROLEUM INSTITUTE – IEP ATEX – NB 2284 – INSPECTION AND CERTIFICATION

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue: 29.08.2024

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
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(13) Schedule / Certificate Nr: **IEP 24 ATEX 1475X**

(14) Equipment Description: FS-Q XYZ series plug and socket are designed to be used with flammables and explosives. The FS-Q XYZ series plug and socket is made of aluminum casting. All components used in FS-Q XYZ series plug and socket must comply with the protection type. Connections are only as 220 Vac or 380 Vac with single, double and quad plug and socket sets and can be designed. Cable gland diameters are PG9,PG11,PG13,5,PG16 ,PG21,M20,M25,M30,M35,¾" G,½ " G,¼ " G,¾ " NPT,½ " NPT.,¼ " NPT. FS-Q XYZ series plug and socket are used in the Zone 1, Zone 21 danger areas recorded in EN 60079-10-1 and EN 60079-10-2 standards.

Product Coding System:

		X: Plug and Socket Unit Piece	Y: Voltage	Z: Current
TYPE	**FS-Q XYZ**	**X:1** = 1 Unit **X:2** = 2 Unit **X:4** = 4 Unit	**Y:220** = 220 VAC **Y:380** = 380 VAC	**Z:16** = 16 A **Z:25** = 25 A **Z:32** = 32 A **Z:40** = 40 A **Z:63** = 63 A

Technical Parameters:

Voltage	220 Vac / 380 Vac
Degree of Protection (Housing)	IP66
Ambient Temperature	-20°C to +55°C
Frequency	50/60 Hz

(15) Essential Health and Safety Requirements: 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 instruction. At the installation and the operation of the FS-Q XYZ series plug and socket has to be observed manufacturer's manual 14 page dated 03.01.2024.

(16) Drawings:

Drawing name	Drawing Nr	Date	Rev.
Plug Socket 4-way Technical Drawing	0617-01	06.06.2018	00
Plug Socket with 4-way Detailed Technical Drawing	0617-02	06.06.2018	00
Plug Socket 2-way Technical Drawing	0617-03	06.06.2018	00
Plug socket single technical drawing	0617-04	06.06.2018	00
Plug socket single detailed technical drawing	0617-05	06.06.2018	00
Body technical drawing	0617-06	06.06.2018	00
Plug body technical drawing	0617-07	06.06.2018	00
Plug funnel body technical drawing	0617-08	06.06.2018	00
Plug socket aluminum housing technical drawing	0617-09	06.06.2018	00
Socket wedge technical drawing	0617-10	06.06.2018	00
Plug wedge technical drawing	0617-11	06.06.2018	00
Pins technical drawing	0617-12	06.06.2018	00
Plug pins technical drawing	0617-13	06.06.2018	00

For the validity of analysis type certificate, the parts that are used in FS-Q XYZ series plug and socket explosion proof is determined in confirmed in the component and part list table 1-2-3 date 16.06.2024.

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

Date of Issue: 29.08.2024

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