(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 23 ATEX 1159X**

(4) Product: **POLFS-Q X Type Socket and Plugs**

(5) Firm Name: **DÜNYAEKS ELEKTRİK MAKİNA MÜH. SAN. ve TİC. LTD. ŞTİ.**

(6) Firm Address: **Mahmutpaşa Mah. 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.Rp.Ex.10-2393 date 06.01.2023.

(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 IIB T6 Gb
II 2D Ex tb IIIC T(95 °C) Db , IP 66

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue: 09.01.2023

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(13) Schedule/ Certificate Nr: **IEP 23 ATEX 1159X**

(14) Description of Equipment: POLFS-Q type socket and plugs , with a interlocked disconnecting switch included , are suitable for explosive atmosphere. POLFS-Q type sockets and plugs body is made from polycarbonate. Although they are joined up to POLFS-Q type plugs, which can be used with industrial sockets in accordance with European directive , Sockets and plugs can't be combined with regular industrial plugs. POLFS-Q type socket and plugs has been evaluated in the contents of IP 66. POLFS-Q type socket and plugs uses as zone 1, zone 21 are that be used danger area determined in the EN 60079-10-1 and EN 60079-10-2 standard.

Product Coding System:

POLFS-Q X
- X → 2: Mono phase, 3: Tri phase
- POLFS-Q → Product Type

Technical Parameters:

Type	POLFS-2 (Mono phase)	POLFS-3 (Tri phase)
Voltage	220 / 240 VAC	380 / 400 VAC
Current	16 A	32 A
Frequency	50 - 60 Hz	
IP Protection Class	IP 66	
Ambient Temperature	-20 °C ~ +50 °C	

(IEP 23 ATEX 1159X)X Means: Installation and periodic maintenance should be done according to the user manual and related standards. Installation and maintenance should be done by an authorized firm or personnel. The certificate becomes invalid if there is an unapproved revision or part replacement.

(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 POLFS-Q type socket and plugs have to be observed manufacturer's manual dated 06.11.2022.

(16) Drawings :

Drawing Nr;	**Date;**
FP-22-001	06.08.2022
FP-22-002	06.08.2022
FP-22-003	06.08.2022
FP-22-004	06.08.2022

For the validity of analysis type certificate, the parts that are used in POLFS-Q type socket and plugs are determined in confirmed in the component and part list table 1-2-3 date 06.11.2022.

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

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

Date of Issue: 09.01.2023

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