



[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU – Annex III – MODULE B: EU-TYPE EXAMINATION

[3] EU-type Examination Certificate number: **IMQ 22 ATEX 049 X**

[4] PRODUCT: **Plug and Socket**
TYPE/SERIES: **RE*63 or RE*125 (Socket) ; PL*125 (Plug)**

[5] MANUFACTURER: **SHOMAL Engineering & Manufacturing Co.**

[6] ADDRESS: **Salmanshahr industrial estate, Mazandaran-Iran**

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the 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 equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in Report No.: **AT21-0064577-01**

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, 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 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. 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 IIC T6 Gb
II 2D Ex tb IIIC T85°C Db

THIS CERTIFICATE CANCELS AND REPLACES THE PREVIOUS ONE. IT INCLUDES 1 ANNEX.

FIRST ISSUE	2022/12/05
CURRENT ISSUE	2022/12/05
PREVIOUS ISSUE	---
EXPIRING DATE	2032/12/04

B.U. PRODUCT CONFORMITY ASSESSMENT
CERTIFICATION SECTOR - MANAGER

This Certificate may only be reproduced in its entirety and without any change. It is subject to the general rules for assessing conformity to community directives for which IMQ operates as notified body n°. 0051 and to the special requirements for Directive 2014/34/EU (ATEX) "Equipment and protective systems for potentially explosive atmospheres" annex III - MODULE B – EU Type-examination.



PRD N° 005 B

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

[13] Annex

[14] EU-type Examination Certificate number: **IMQ 22 ATEX 049 X**

[15] Description of product:

The **RE*63** or **RE*125** (Socket), **PL*125** (Plug) equipment are consisting in a main enclosure contained 63A or 125A switch, with mounted a socket device connectable to plug device.

The socket is screwed to the bottom wall of main enclosure and contains the insulated connection with female receptacles (3, 4 or 5 receptacles).

The socket has a cylindrical female seat where the plug is inserted.

When the plug is disconnected, the socket is closed through a screwed cover to maintain the IP66 degree of protection. When the plug is connected, the whole equipment is guarantee IP66 degree of protection through the threaded joints.

The plug consists in a cylindrical body containing the male pins (3, 4 or 5 pins), a threaded hub for the cable entry at the end of body and a screwed lock ring that while screwed on the socket establishes the plug locking. Only when the plug is completely inserted by the use of lock ring, the interlock mechanism actuates and then it is possible to switch "ON" the main Switch, by means of an external handle on the lateral side of main enclosure to control the internal disconnectors 63A or 125A.

While the socket is energized (External handle at "ON" position), it is not possible to disconnect the plug. To disconnect the plug the switch must be switched "OFF" to release the interlock mechanism and after that the plug can be disconnected (pull out) from socket.

Ground poles of sockets and plugs are both connected to the equipment main enclosure

The equipment enclosures are made of aluminum alloy.

[15.1] Models/Series Identification:

Socket RE*63 : RET63 ; REQ63 ; REP63

Socket RE*125 : RET125 ; REQ125 ; REP125

Plug PL*125 : PLT125, PLQ125, PLP125

[15.2] Ratings:

Rated voltage:	maximum 690V
Nominal current:	from 63A to 125A
Frequency range:	50/60Hz
Conductor section:	maximum 50 mm ²

[15.3] Safety Ratings: -

[15.4] Ambient temperature and temperature classes:

Ambient temperature range:	from -30°C to +55°C
Temperature class:	T6 for gas
Maximum surface temperature for dust:	T85°C

[15.5] Degree of protection (IP code): IP66

[15.6] Warnings:

"WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT"

"WARNING – POTENTIAL ELECTRO STATIC CHARGING HAZARD

"WARNING - DO NOT OPEN WHEN ENERGIZED

[13] Annex

[14] EU-type Examination Certificate number: **IMQ 22 ATEX 049 X**

[16] **Report:** AT21-0064577-01

[16.1] **Routine (factory) tests:**

The manufacturer shall carry out the routine test prescribed at clauses 27 of the EN 60079-0.
The manufacturer shall carry out the pressure routine test prescribed at clauses 16.1.1 of the EN 60079-1 on main enclosure at 14 bar for at least 10 seconds.
Plug section and socket compartment are exempted to carry out the routine pressure test having passed the four time reference pressure type test.

[16.2] **Conformity with the documentation:**

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.
Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

[16.3] **Installation conditions:**

Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified at clause 1, par. 2 of EN 60079-0.
Installation and use in atmospheric and environmental conditions that are out of above-mentioned intervals request special considerations and additional measures by the side of installer or user.
These should be specified to the manufacturer by the user;
It is not a required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.
Installation of equipment has to proceed according to EN 60079-14.

[17] **Special Condition of use (X):**

Potential electrostatic charging hazard: clean only with damp cloth (dust atmosphere).

[18] **Essential Health and safety Requirements:**

This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].
This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive

ESHR 1.4 Not verified.

ESHR 1.5 Not verified.

ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report: none.

[13] **Annex**

[14] EU-type Examination Certificate number: **IMQ 22 ATEX 049 X**

[19] **Descriptive documents:** DL-AT21-0064577-01

[20] **Certification Validity Conditions:**

The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.

The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per 19.

One copy of the mentioned documentation is kept in IMQ file.

[21] **Variations**

1st Issue.