

IBExU Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg

[1] **EC-TYPE EXAMINATION CERTIFICATE**
(Translation)

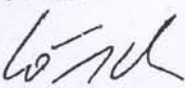


- [2] Equipment and Protective System intended for use in Potentially explosive atmospheres, Directive 94/9/EC
- [3] EC-Type Examination Certificate Number: **IBExU03ATEX1018 X**
- [4] Equipment or Protective System: Hand light type 439/GK
- [5] Manufacturer: Gebrüder Schneider GmbH
- [6] Address: Lindenstraße 51
D-57627 Hachenburg
- [7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this EC-Type Examination Certificate.
- [8] IBExU Institut für Sicherheitstechnik GmbH, NOTIFIED BODY number 0637 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in confidential test report IB-02-3-495 of 19.02.2003.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 50014:1997 + A1 + A2, EN 50018:2000 and EN 50019:2000.
- [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 under [17] in the schedule to this EC-Type Examination Certificate.
- [11] This EC-Type Examination Certificate relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment or protective system.
- [12] The marking of the equipment or protective system shall include the following:

⊕ II 2G EEx e d IIA T3

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7 - D-09599 Freiberg
Tel.: 00493731 3805-0 - Fax: 00493731 23660

Authorised for certifications Explosion protection
By order


(Dr. Lösch)



- Seal-
(ID no. 0637)

Freiberg, 20.02.2003

Certificates without signature and seal are not valid.
Certificates may only be duplicated completely and unchanged.
In case of dispute, the German text shall prevail.

Schedule

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[13] **Schedule**

[14] **to the EC-TYPE EXAMINATION CERTIFICATE IBExU03ATEX1018 X**

[15] **Description of equipment or protective system**

The Hand light type 439/GK is manufactured in two explanations:

- Type 439 without rubber cap
- Type 439 / GK with rubber cap as impact guard

The Hand light type 439/GK consists of the following assemblies:

- Rubber handhold (as enclosure)
- Lampholder
- Protecting glass
- Protecting cage

Rubber handhold, protecting glass with caulking ring and protecting cage are connected together with three screws.

The connection is carried out via a special cable, which is introduced in the rubber handhold dust- and waterproof and fastened with a clamping device inside.

Technical data

Nominal voltage:	230 V
Type of current:	direct or alternating current
Nominal current:	max. 4 A
Degree of protection according to DIN EN 60598-1:1991 and DIN EN 60529:2000:	min. IP 54
Ambient temperature range:	- 20 °C up to +40 °C
Equipping:	electric light bulbs max. 60 W according to DIN 49810 part 5:1993 o.g. HAT 230-60 (temperature checked and shock-resistant)

[16] **Test report**

The examination and test results are recorded in confidential test report IB-02-3-495 of 19.02.2003.

Summary:

The Hand light type 439/GK fulfils the requirements of explosion protection for equipment group II and equipment category 2G, type of protection increased safety in combination with type of protection Flameproof enclosure for explosion group IIA and temperature class T3.

The equipping of the Hand light has to be carried out with electric light bulbs according to DIN 49810 part 5:1993, 230 V, max. 60 W.

Test documents

The test documents are listed in the annex to this certificate.

Safety Instructions

- The manufacturer is obliged to carry out routine verifications and tests necessary for maintenance the explosion proofness regulations for every Hand light type 439/GK in accordance with EN 50014:1997, section 24.

Before the affixing of the CE marking, the manufacturer is obliged to carry out the required tests of the conformity assessment procedures according to the directive 91/9/EC

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- The equipping of the Hand lights has to be carried out with electric light bulbs according to DIN 49810 part 5:1993, 230 V, max. 60 W temperature checked and shock-resistant (z. B. HT 230-60 brand Lindner or Osram).
- The degree of protection IP 54 is reached only with proper entry of the cable type NSSHÖU-O 2 x 1,5 mm² and proper seal of the enclosure.
- Damaged Hand lights type 439/GK have to be immediately put out of operation.

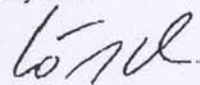
[17] Special conditions for safe use

The connection of the lamp cable has to be carried out in a non potentially explosive atmosphere or in the potentially explosive atmosphere an explosion protected equipment must be used.

[18] Essential Health and Safety Requirements

Confirmed by norms (see [9]).

By order



(Dr. Lösch)

Freiberg, 20.02.2003

Annex

EC-Declaration of Conformity

We Gebr. Schneider GmbH
Lindenstrasse 51
57627 Hachenburg/Germany

herewith declares that the product Art-No.:

439/GK/10Gu Ex-Handlamp with 10m cables without bulb and plug

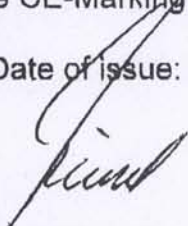
conforms with the provisions of the EC-Type Examination Certificate Number:
IBExU03ATEX1018 X.

And furthermore we declares that the following parts of standards and documents have been applied:

DIN EN 50014
DIN EN 50018
DIN EN 50019

Fixing of the CE-Marking Oktober 2005

Place and Date of issue: Hachenburg, 18.09.2006



B. Pickel/Managing Director

Name, function and signature of authorised person