



1 **EU TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 17ATEX1219X** Issue: **0**

4 Equipment: **Photocells model type GHG 640 9601 P000x**

5 Applicant: **Cooper Crouse-Hinds GmbH**

6 Address: Neuer Weg-Nord 49
69412 Eberbach
Germany

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:


EN 60079-0:2012/A11 EN 60079-1:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

11 This EU type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

 II 2G
Ex db IIC T6 Gb
Ta = -40°C to +70°C



Project Number 70133606

R A Craig
Certification Support Officer

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SCHEDULE

EU TYPE-EXAMINATION CERTIFICATE

**Sira 17ATEX1219X
Issue 0**

13 DESCRIPTION OF EQUIPMENT

Photocell type GHG 640 9601 P000x is designed and intended for installation in category 2G (gas). The photocell is used to switch lights on or off depending on the light in the surrounding area. It consists essentially of a 2 piece cast aluminium enclosure with integrated bushing, a signal transparent element made of plastic material and the internal control unit.

It is provided with a non-replaceable adapter for cylindrical M32 x 1.5 or 1" NPT threads and is screwed into a flameproof enclosure or increased safety enclosure in accordance with EN 60079-0.

For both applications, the photocell shall be tightened and secured against turning and loosening.

Type Code: GHG 640 9601 P000x

Where 000x = Thread sizes:

M32x 1.5 thread = GHG 640 9601 P0004

1" NPT thread = GHG 640 9601 P0005

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	04 July 2017	R70133606A	The release of prime certificate.

14.3 Certificate number Sira 16ATEX1297X Issue 0

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 The photocell shall only be installed in Ex d or Ex e enclosures approved according to EN 60079-1 or EN 60079-7.

15.2 For installation of the photocell in a flameproof enclosure, the photocell enclosure shall only be threaded in enclosure walls having a minimum length of 8.0 mm, and at least 5 threads engaged according to table 4, from EN 60079-1.

15.3 For installation of the photocell in an increase safety enclosure, the photocell enclosure shall only be threaded in enclosure wall having a minimum length of 3.0 mm, taking in consideration the mechanical resistance of the enclosure and keeping the minimum required degree of protection.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EU type-examination certificates are required to comply with the production control requirements defined in Article 13 of directive 2014/34/EU.

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Certificate Annexe

Certificate Number: Sira 17ATEX1219X
Equipment: Photocells model type GHG 640 9601 P000x
Applicant: Cooper Crouse-Hinds GmbH



Issue 0

Drawing	Sheets	Rev	Date (Sira stamp)	Title
GHG9026001F6401	1 of 1	i	23 Jun 17	Type Label

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Sira Certification Service

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