



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx BVS 05.0004	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2016-03-15) Issue 1 (2005-04-19)
Date of Issue:	2022-05-17		
Applicant:	COOPER CROUSE-HINDS GmbH Neuer Weg Nord 49, 69412 Eberbach Germany		
Equipment:	Trackball type * (see General product information)		
Optional accessory:			
Type of Protection:	Equipment protection by intrinsic safety "i"		
Marking:	Ex ib IIC T4 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

Jörg Koch

Position:

Head of Certification Body

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Manufacturer: **COOPER CROUSE-HINDS GmbH**
Neuer Weg Nord 49, 69412 Eberbach
Germany

Manufacturing locations: **COOPER CROUSE-HINDS GmbH** **S.C. Cooper Industries Romania**
Neuer Weg Nord 49, 69412 Eberbach **S.R.L.**
Germany Zona Industrială Vest, Str. III, Nr. 12
310510 Arad
Romania

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/BVS/ExTR06.0022/03](#)

Quality Assessment Reports:

[DE/BVS/QAR11.0006/11](#)

[DE/BVS/QAR11.0009/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

General product information:

Trackball type *

Instead of * the following can be inserted:

Challenger TB or Challenger TBi or Gecma TBi or Gecma Trackball

The trackball is a pointing device e.g. for control pointers at a screen.

The unit is designed for use in hazardous areas.

The electrical parts are integrated into a metal enclosure.

The connection of the intrinsically safe circuits is done by a permanently connected cable with an open ended 4 wire cable or a connector at the end.

Ratings

Voltage	Ui	DC	5.5	V
Current	Ii		126	mA
Power	Pi		264	mW
Effective internal capacitance	Ci		10	μF
Effective internal inductance	Li		negligible	

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The name and address of the manufacturer has changed:

Cooper Crouse-Hinds GmbH, Neuer Weg Nord 49, 69412 Eberbach formerly GeCma Components GmbH, Heinrich-Hertz-Straße 12, 50170 Kerpen

An additional manufacturer location was added.