Ordering details / Dimension drawing

EXIT / EXIT 24 V / EXIT N / EXIT CG-S for Zone 1/21

Ordering details

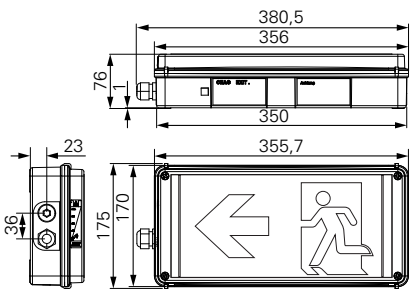
Type	Scope of delivery	Cable gland/Thread: Plastic cable glands M20	Cable gland/Thread: Screw plug M20	Cable gland/Thread: Metal thread M20	Standard pictogram ISO 7010 Order No.	optional pictogram according to DIN 4844 Order No.	optional pictogram according to EN 1838 Order No.
 EXIT	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2191 000 021**	**1 2191 000 001**	**1 2191 000 011**
	including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2191 000 022**	**1 2191 000 002**	**1 2191 000 012**
	including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2191 000 023**	**1 2191 000 003**	**1 2191 000 013**
	including cover, clear, without pictogram	1 x M20	1 x M20		**1 2191 000 004**		
	including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2191 000 121**	**1 2191 000 101**	**1 2191 000 111**
	including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2191 000 122**	**1 2191 000 102**	**1 2191 000 112**
	including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2191 000 123**	**1 2191 000 103**	**1 2191 000 113**
	including cover, clear, without pictogram			2 x M20	**1 2191 000 104**		
 EXIT 24 V	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2191 024 021**	**1 2191 024 001**	**1 2191 024 011**
	including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2191 024 022**	**1 2191 024 002**	**1 2191 024 012**
	including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2191 024 023**	**1 2191 024 003**	**1 2191 024 013**
	including cover, clear, without pictogram	1 x M20	1 x M20		**1 2191 024 004**		
	including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2191 024 121**	**1 2191 024 101**	**1 2191 024 111**
	including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2191 024 122**	**1 2191 024 102**	**1 2191 024 112**
	including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2191 024 123**	**1 2191 024 103**	**1 2191 024 113**
	including cover, clear, without pictogram			2 x M20	**1 2191 024 104**		
 EXIT N	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2191 030 021**	**1 2191 030 001**	**1 2191 030 011**
	including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2191 030 022**	**1 2191 030 002**	**1 2191 030 012**
	including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2191 030 023**	**1 2191 030 003**	**1 2191 030 013**
	including cover, clear, without pictogram	1 x M20	1 x M20		**1 2191 030 004**		
	including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2191 030 121**	**1 2191 030 101**	**1 2191 030 111**
	including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2191 030 122**	**1 2191 030 102**	**1 2191 030 112**
	including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2191 030 123**	**1 2191 030 103**	**1 2191 030 113**
	including cover, clear, without pictogram			2 x M20	**1 2191 030 104**		
 EXIT CG-S	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2191 020 021**	**1 2191 020 001**	**1 2191 020 011**
	including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2191 020 022**	**1 2191 020 002**	**1 2191 020 012**
	including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2191 020 023**	**1 2191 020 003**	**1 2191 020 013**
	including cover, clear, without pictogram	1 x M20	1 x M20		**1 2191 020 004**		
	including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2191 020 121**	**1 2191 020 101**	**1 2191 020 111**
	including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2191 020 122**	**1 2191 020 102**	**1 2191 020 112**
	including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2191 020 123**	**1 2191 020 103**	**1 2191 020 113**
	including cover, clear, without pictogram			2 x M20	**1 2191 020 104**		

Other silk-screen pictograms or inscriptions available on request

A wide selection of cable glands can be found at www.crouse-hinds.de/products or in the catalogue Part 2, Section 3

arrow 3h | arrow 9 h | arrow 6 h

EXIT / EXIT CG-S / EXIT N



Dimensions in mm

Ordering details

	Type	Scope of delivery	Cable gland/Thread: Plastic cable glands M20	Cable gland/Thread: Screw plug M20	Cable gland/Thread: Metal thread M20	Standard pictogram ISO 7010 Order No.
	EXIT 2	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2193 000 021**
		including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2193 000 022**
		including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2193 000 023**
		including cover, clear, without pictogram	1 x M20	1 x M20		**1 2193 000 004**
		including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2193 000 121**
		including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2193 000 122**
		including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2193 000 123**
		including cover, clear, without pictogram			2 x M20	**1 2193 000 104**
	EXIT 2 24 V	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2193 024 021**
		including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2193 024 022**
		including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2193 024 023**
		including cover, clear, without pictogram	1 x M20	1 x M20		**1 2193 024 004**
		including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2193 024 121**
		including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2193 024 122**
		including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2193 024 123**
		including cover, clear, without pictogram			2 x M20	**1 2193 024 104**
	EXIT 2 N	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2193 030 021**
		including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2193 030 022**
		including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2193 030 023**
		including cover, clear, without pictogram	1 x M20	1 x M20		**1 2193 030 004**
		including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2193 030 121**
		including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2193 030 122**
		including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2193 030 123**
		including cover, clear, without pictogram			2 x M20	**1 2193 030 104**
	EXIT 2 CG-S	including cover with silk-screen pictogram (arrow 3h)	1 x M20	1 x M20		**1 2193 020 021**
		including cover with silk-screen pictogram (arrow 9h)	1 x M20	1 x M20		**1 2193 020 022**
		including cover with silk-screen pictogram (arrow 6h)	1 x M20	1 x M20		**1 2193 020 023**
		including cover, clear, without pictogram	1 x M20	1 x M20		**1 2193 020 004**
		including cover with silk-screen pictogram (arrow 3h)			2 x M20	**1 2193 020 121**
		including cover with silk-screen pictogram (arrow 9h)			2 x M20	**1 2193 020 122**
		including cover with silk-screen pictogram (arrow 6h)			2 x M20	**1 2193 020 123**
		including cover, clear, without pictogram			2 x M20	**1 2193 020 104**

Other silk-screen pictograms or inscriptions available on request

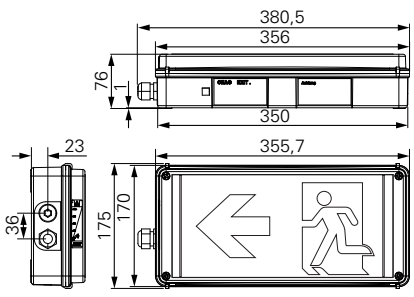
A wide selection of cable glands can be found at www.crouse-hinds.de/products or in the catalogue Part 2, Section 3


arrow 3h


arrow 9 h


arrow 6 h

EXIT 2 / EXIT 2 CG-S / EXIT 2 N



Dimensions in mm

Technical data

EXIT / EXIT 24 V / EXIT N / EXIT CG-S for Zone 1/21

Technical data

	EXIT / EXIT 24 V	EXIT N	EXIT CG-S
EC-Type Examination Certificate	BVS 09 ATEX E 029	BVS 09 ATEX E 029	BVS 09 ATEX E 029
IECEx Certificate of Conformity	IECEx BVS 13.0017	IECEx BVS 13.0017	IECEx BVS 13.0017
Marking accd. to 94/9/EC	Ⓔx II 2 G Ex e ib mb IIC T6/T5 Gb Ⓔx II 2 D Ex tb IIIC T80°C Db	Ⓔx II 2 G Ex e ib mb IIC T5/T4 Gb Ⓔx II 2 D Ex tb IIIC T80°C Db“	Ⓔx II 2 G Ex e ib mb IIC T6/T5 Gb Ⓔx II 2 D Ex tb IIIC T80°C Db
Marking accd. to IECEx	Ex e ib mb IIC T6/T5 Gb Ex tb IIIC T80°C Db	Ex e ib mb IIC T5/T4 Gb Ex tb IIIC T80°C Db	Ex e ib mb IIC T6/T5 Gb Ex tb IIIC T80°C Db
Permissible ambient temperature specified data	-20 °C up to +40°C (T6) -20 °C up to +50°C (T5)	-20 °C up to +40°C (T5) -20 °C up to +50°C (T4) +5 °C up to +35 °C	-20 °C up to +40°C (T6) -20 °C up to +50°C (T5)
Battery		12 V/600 mAh NC-Accu	
Rated power consumption	approx. 6 VA	approx. 8 VA	approx. 6 VA
Rated voltage	110 V - 277 V AC 110 V - 250 V DC	110 V - 277 V AC 110 V - 250 V DC	220 V - 254 V AC 195 V - 250 V DC
Rated voltage EXIT 24 V	12 - 24 V DC (-15 % / + 20 %)		
Rated current AC/DC	220 V = 20 mA, 110 V = 40 mA	220 V = 27 mA, 110 V = 54 mA	220 V = 20 mA, 110 V = 40 mA
Frequency	DC and 50 - 60 Hz (AC)	DC and 50 - 60 Hz (AC)	DC and 50 - 60 Hz (AC)
Charging duration for capacity > 90 %		24 h	
Power factor cos φ	≥ 0.95	≥ 0.95	≥ 0.95
Circuit	electronic power supply	electronic power supply	electronic power supply
Protection class	I	I	I
Viewing distance	25 m	25 m	25 m
Lamp / Illuminant	high output-LEDs, white	high output-LEDs, white	high output-LEDs, white
Rated emergency lighting duration		approx. 3 h	
Dimensions (L x W x H)	356 x 175 x 76 mm	356 x 175 x 76 mm	356 x 175 x 76 mm
Connecting terminals	3 x loop terminal 2.5 mm²	3 x loop terminal 2.5 mm²	3 x loop terminal 2.5 mm²
Enclosure colour	grey, RAL 7035	grey, RAL 7035	grey, RAL 7035
Enclosure material	Polycarbonate	Polycarbonate	Polycarbonate
Weight	2 kg	2.5 kg	2.2 kg
Cable glands / gland plates / enclosure drilling	1 x Ex-e cable glands M20 x 1.5 (plastic) / 1 x Ex-e-screw plug M20 or 2 x M20 x1.5 metal thread, 1 x screw plug M20	1 x Ex-e cable glands M20 x 1.5 (plastic) / 1 x Ex-e-screw plug M20 or 2 x M20 x1.5 metal thread, 1 x screw plug M20	1 x Ex-e cable glands M20 x 1.5 (plastic) / 1 x Ex-e-screw plug M20 or 2 x M20 x1.5 metal thread, 1 x screw plug M20
Type of mounting	wall mounting	wall mounting	wall mounting
Degree of protection accd. to EN 60529	IP66	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate	Polycarbonate



Technical data

	EXIT 2/ EXIT 2 24 V	EXIT 2 N	EXIT 2 CG-S
EC-Declaration of Conformity	CCH 13 ATEX 1019	CCH 13 ATEX 1019	CCH 13 ATEX 1019
Marking accd. to 94/9/EC	Ⓔx II 3 G Ex e ic mc IIC T6/T5 Gc Ⓔx II 3 D Ex tc IIIC T80°C Dc	Ⓔx II 3 G Ex e ic mc IIC T5/T4 Gc Ⓔx II 3 D Ex tc IIIC T80°C Dc	Ⓔx II 3 G Ex e ic mc IIC T6/T5 Gc Ⓔx II 3 D Ex tc IIIC T80°C Dc
Permissible ambient temperature specified data	-20 °C up to +40°C (T6) -20 °C up to +50°C (T5)	-20 °C up to +40°C (T5) -20 °C up to +50°C (T4) +5 °C up to +35 °C	-20 °C up to +40°C (T6) -20 °C up to +50°C (T5)
Battery		12 V/600 mAh NC-Accu	
Rated power consumption	approx. 6 VA	approx. 8 VA	approx. 6 VA
Rated voltage	110 V - 277 V AC 110 V - 250 V DC	110 V - 277 V AC 110 V - 250 V DC	220 V - 254 V AC 195 V - 250 V DC
Rated voltage EXIT 24 V	12 - 24 V DC (-15 % / + 20 %)		
Rated current AC/DC	220 V = 20 mA, 110 V = 40 mA	220 V = 27 mA, 110 V = 54 mA	220 V = 20 mA, 110 V = 40 mA
Frequency	DC and 50 - 60 Hz (AC)	DC and 50 - 60 Hz (AC)	DC and 50 - 60 Hz (AC)
Charging duration for capacity > 90 %		24 h	
Power factor cos φ	≥ 0.95	≥ 0.95	≥ 0.95
Circuit	electronic power supply	electronic power supply	electronic power supply
Protection class	I	I	I
Viewing distance	25 m	25 m	25 m
Lamp / Illuminant	high output-LEDs, white	high output-LEDs, white	high output-LEDs, white
Rated emergency lighting duration		approx. 3 h	
Dimensions (L x W x H)	356 x 175 x 76 mm	356 x 175 x 76 mm	356 x 175 x 76 mm
Connecting terminals	3 x loop terminal 2 x 2.5 mm²	3 x loop terminal 2 x 2.5 mm²	3 x loop terminal 2 x2.5 mm²
Enclosure colour	grey, RAL 7035	grey, RAL 7035	grey, RAL 7035
Enclosure material	Polycarbonate	Polycarbonate	Polycarbonate
Weight	2 kg	2.5 kg	2.2 kg
Cable glands / gland plates / enclosure drilling	1 x Ex-e cable glands M20 x 1.5 (plastic) / 1 x Ex-e-screw plug M20 or 2 x M20 x1.5 metal thread, 1 x screw plug M20	1 x Ex-e cable glands M20 x 1.5 (plastic) / 1 x Ex-e-screw plug M20 or 2 x M20 x1.5 metal thread, 1 x screw plug M20	1 x Ex-e cable glands M20 x 1.5 (plastic) / 1 x Ex-e-screw plug M20 or 2 x M20 x1.5 metal thread, 1 x screw plug M20
Type of mounting	wall mounting	wall mounting	wall mounting
Degree of protection accd. to EN 60529	IP66	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate	Polycarbonate

Translation

(1) # EC-Type Examination Certificate

(2) **- Directive 94/9/EC -**
Equipment and protective systems intended for use in potentially explosive atmospheres

(3) # BVS 09 ATEX E 029

(4) **Equipment:** **LED exit luminaire type EXIT ***

(5) **Manufacturer:** **Cooper Crouse-Hinds GmbH**

(6) **Address:** **69412 Eberbach, Germany**

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment 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 the test and assessment report BVS PP 10.2228 EG.

(9) The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2009	General requirements
EN 60079-7:2007	Increased Safety 'e'
EN 60079-11:2007	Intrinsic Safety 'i'
EN 60079-18:2009	Encapsulation 'm'
EN 60079-31:2009	Protection by Enclosure

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:

II 2G Ex e ib mb IIC T*[1)] Gb
II 2D Ex tb IIIC T80°C Db
IP66

1) The temperature class depends on type and ambient temperature. See also 15.3) Parameters.

DEKRA EXAM GmbH
Bochum, dated 30th September 2010

Signed: Simanski
Certification body

Signed: Dr. Eickhoff
Special services unit

DEKRA EXAM GmbH Dinnendahlstrasse 9 44809 Bochum Germany Phone +49 234/3696-105 Fax +49 234/3696-110 E-mail zs-exam@dekra.com

Translation

(1) 1. Supplement to the EC-Type Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC
Supplement accordant with Annex III number 6

(3) No. of EC-Type Examination Certificate: **BVS 09 ATEX E 029**

(4) Equipment: **Rettungszeichenleuchte type EXIT ***

(5) Manufacturer: **Cooper Crouse-Hinds GmbH**

(6) Address: **Neuer Weg Nord 49, 69412 Eberbach, Germany**

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this supplement.

(8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment 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 the test and assessment report BVS PP 10.2228 / N1 EG.

(9) The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2009	**General requirements**
EN 60079-7:2007	**Increased Safety 'e'**
EN 60079-11:2007	**Intrinsic Safety 'i'**
EN 60079-18:2009	**Encapsulation 'm'**
EN 60079-31:2009	**Protection by Enclosure**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.

(11) This supplement to the EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:

II 2G Ex e ib mb IIC T*1) Gb
II 2D Ex tb IIIC T80°C Db
IP66

The temperature class depends on type and ambient temperature. See also 15.3) Parameters.

DEKRA EXAM GmbH
Bochum, dated 30. May 2012

Signed: _____ Certification body

Signed: _____ Special services unit

DEKRA EXAM GmbH Dinnendahlstrasse 9 44809 Bochum Phone +49.234.3696-105 Fax +49.234.3696-110 zs-exam@dekra.com

(13) Appendix to

(14) **1. Supplement to the EC-Type Examination Certificate**
BVS 09 ATEX E 029

(15) 15.1 Subject and type

LED exit luminaire type EXIT *[1)]

[1)] Details on luminaire variant

none	= standard variant
CG-S	= luminaire with CG-S module to be connected to a central battery system
N	= emergency luminaire with internal battery pack
24V	= power supply unit (PSU) with input voltage range from 12 to 24 V

15.2 Description

Description of change:

The connection of the modules among each other is realised by plug connection
The enclosure material has changed
Type of terminals
Size of the marking-plates
Rotation of the positioning of internal modules
Adjustment of the electrical parameters

The exit luminaire can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report

Description of the equipment:

The LED exit luminaire or emergency luminaire is an explosion-protected electrical equipment intended for use in potentially explosive atmospheres. It consists of a plastic enclosure with cover onto which the emergency sign is fixed. The joint between enclosure top and enclosure bottom is sealed by a gasket.

Standard variant:
White LEDs are used as source of light; these are assembled on a specific circuit board, the so-called LED unit. Overall, ten strings of 3 LEDs each are supplied by a separate PSU.

CG-S:
In conjunction with the EXIT CG-S module the luminaire can be connected to the CEAG central battery system and controlled. The EXIT CG-S module is mechanically inserted into the same enclosure as the PSU and also potted. The module is assembled as an independent unit in the lower housing part as the PSU module.

N:
The emergency luminaire is based on the same components and the same assembly of white LEDs as the standard variant. Additionally, the components for charging, for monitoring the charging and discharging processes and the capacitance counter are placed at the LED unit. In case of mains failure two battery blocks of five cells each are in place to provide power. The energy storage is assembled as an independent unit lower housing part as the PSU module.

24V:
Instead of a PSU with a large input voltage range, a PSU with a DC voltage range of 12 V to 24 V is mounted onto the LED unit of the standard variant.
The 24V PSU is also accommodated in the separately potted enclosure and is assembled in the lower housing part.

DEKRA EXAM GmbH Dinnendahlstrasse 9 44809 Bochum Phone +49.234.3696-105 Fax +49.234.3696-110 zs-exam@dekra.com

15.3 Parameters

Electrical parameters

Type	Voltage [V]	AC / DC	Frequency [Hz]	Ambient temperature	Temperature class / surface
EXIT	110 – 277	AC	50 / 60	-20 °C ≤ T_a ≤ +40 °C	T6 / T80 °C
				-20 °C ≤ T_a ≤ +50 °C	T5 / T80 °C
	110 – 250	DC	---	-20 °C ≤ T_a ≤ +40 °C	T6 / T80 °C
				-20 °C ≤ T_a ≤ +50 °C	T5 / T80 °C
EXIT N	110 – 277	AC	50 / 60	-20 °C ≤ T_a ≤ +40 °C	T5 / T80 °C
				-20 °C ≤ T_a ≤ +50 °C	T4 / T80 °C
	110 – 250	DC	---	-20 °C ≤ T_a ≤ +40 °C	T5 / T80 °C
				-20 °C ≤ T_a ≤ +50 °C	T4 / T80 °C
EXIT CG-S	220 – 254	AC	50 / 60	-20 °C ≤ T_a ≤ +40 °C	T6 / T80 °C
				-20 °C ≤ T_a ≤ +50 °C	T5 / T80 °C
	195 – 250	DC	---	-20 °C ≤ T_a ≤ +40 °C	T6 / T80 °C
				-20 °C ≤ T_a ≤ +50 °C	T5 / T80 °C
EXIT 24 V	12 – 24	DC	---	-20 °C ≤ T_a ≤ +40 °C	T6 / T80 °C
				-20 °C ≤ T_a ≤ +50 °C	T5 / T80 °C

(16) Test and assessment report

BVS PP 10.2228 EG as of 30.05.2012

(17) Special conditions for safe use

Not applicable

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
44809 Bochum, 30, May 2012
BVS-Sit/Sp A 20110486

Certification body

Special services unit

DEKRA EXAM GmbH Dinnendahlstrasse 9 44809 Bochum Phone +49.234.3696-105 Fax +49.234.3696-110 zs-exam@dekra.com

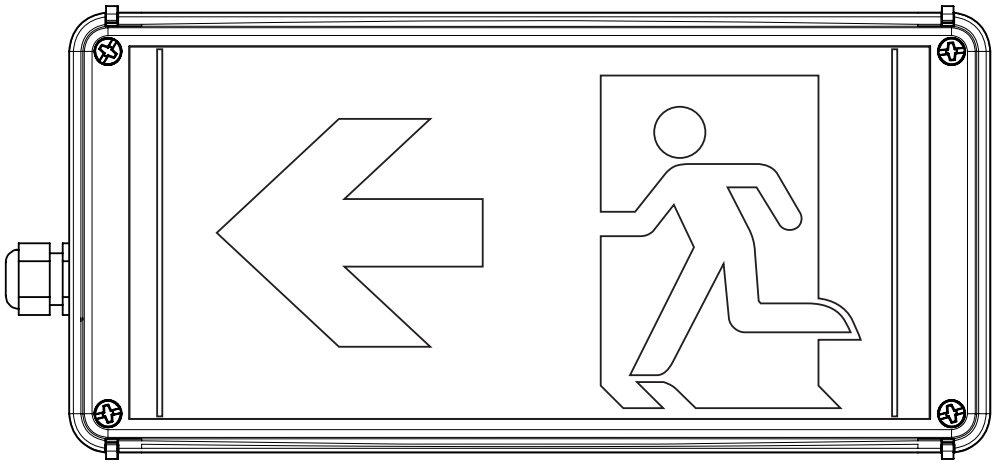
Betriebsanleitung
Operating instructions
Mode d'emploi

CROUSE-HINDS SERIES

Explosionsgeschützte LED-Rettungszeichenleuchte
Serie: EXIT, EXIT 24 V und EXIT V-CG-S

Explosion protected LED-exit luminaire
Series: EXIT, EXIT 24 V and EXIT V-CG-S

Panneau de signalisation de sortie de secours lumineux antidéflagrant à diodes électroluminescentes
Série: EXIT, EXIT 24 V et EXIT V-CG-S



CZ: "Tento návod k použití si můžete vyžádat ve svém mateřském jazyce u příslušného zastoupení společnosti Cooper Crouse-Hinds/CEAG ve vaší zemi."

DK: "Montagevejledningen kan oversættes til andre EU-sprog og rekvireres hos Deres Cooper Crouse-Hinds/CEAG leverandør"

E: "En caso necesario podrá solicitar de su representante Cooper Crouse-Hinds/CEAG estas instrucciones de servicio en otro idioma de la Union Europea"

EST: "Seda kasutusjuhendit oma riigikeeles võite küsida oma riigis asuvast asjaomasest Cooper Crouse-Hindsi/CEAG esindusest."

FIN: "Tarvittaessa tämän käyttöohjeen käännös on saatavissa toisella EU:n kielellä Teidän Cooper Crouse-Hinds/CEAG - edustajaltanne"

GR: Εαν χρειασθει, μεταφραση των οδηγιων χρησε ως σε αλλη γλωσσα της ΕΕ, μπορει να ζητηθει απο τον Αντιπροσωπο της Cooper Crouse-Hinds/CEAG"

H: "A kezelési útmutatót az adott ország nyelvén a Cooper Crouse-Hinds/CEAG cég helyi képviseletén igényelheti meg."

I: "Se desiderate la traduzione del manuale operativo in un´altra lingua della Comunit à Europea potete richiederla al vostro rappresentante Cooper Crouse-Hinds/CEAG"

LT: Šios naudojimo instrukcijos, išverstos į Jūsu gimtąją kalbą, galite pareikalauti atsakingoje "Cooper Crouse-Hinds/CEAG" atstovybėje savo šalyje.

LV: "Šo ekspluatācijas instrukciju valsts valodā varat pieprasīt jūsu valsts atbildīgajā Cooper Crouse-Hinds/CEAG pārstāvniecībā."

M: Jistgħu jitolbu dan il-manwal fil-lingwa nazzjonali tagħhom mingħand ir-rappreżentant ta' Cooper Crouse Hinds/CEAG f'pajjiżhom.

NL: "Indien noodzakelijk kan de vertaling van deze gebruiksinstructie in een andere EU-taal worden opgevraagd bij Uw Cooper Crouse-Hinds/CEAG - vertegenwoordiging"

P: "Se for necessária a tradução destas instruções de operação para outro idioma da União Europeia, pode solicita-la junto do seu representante Cooper Crouse-Hinds/CEAG"

PL: Niniejszą instrukcję obsługi w odpowiedniej wersji językowej można zamówić w przedstawicielstwie firmy Cooper-Crouse-Hinds/CEAG na dany kraj.

S: "En översättning av denna montage- och skötselinstruktion till annat EU - språk kan vid behov beställas från Er Cooper Crouse-Hinds/CEAG- representant"

SK: "Tento návod na obsluhu Vám vo Vašom rodnom jazyku poskytne zastúpenie spoločnosti Cooper Crouse-Hinds/CEAG vo Vašej krajine."

SLO: "Navodila za uporabo v Vašem jeziku lahko zahtevate pri pristojnem zastopništvu podjetja Cooper Crouse-Hinds/CEAG v Vaši državi."

RUS: "При необходимости, вы можете запрашивать перевод данного руководства на другом языке ЕС или на русском от вашего Cooper Crouse-Хиндс / CEAG - представителей."

3 2191 000 061 D/E/F (j)

EATON
Powering Business Worldwide

Maßbilder / Dimensional drawings / Plans coté

Maßangaben in mm / Dimensions in mm / Dimensions en mm

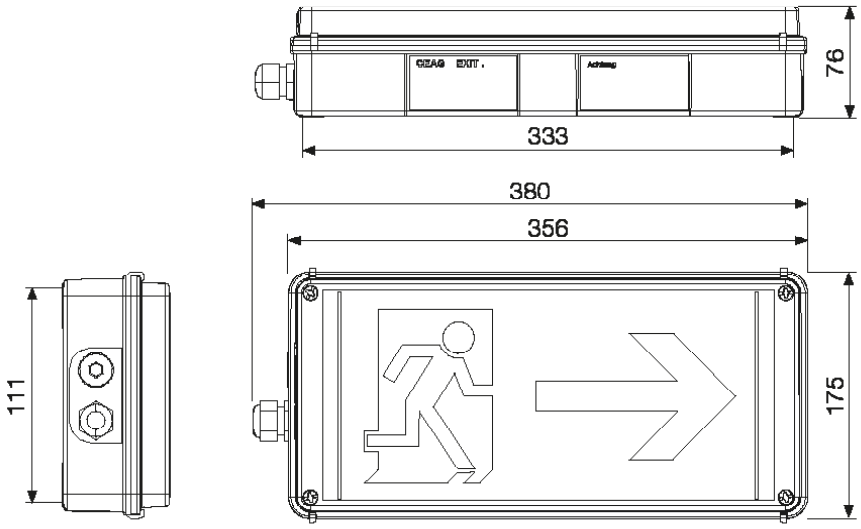
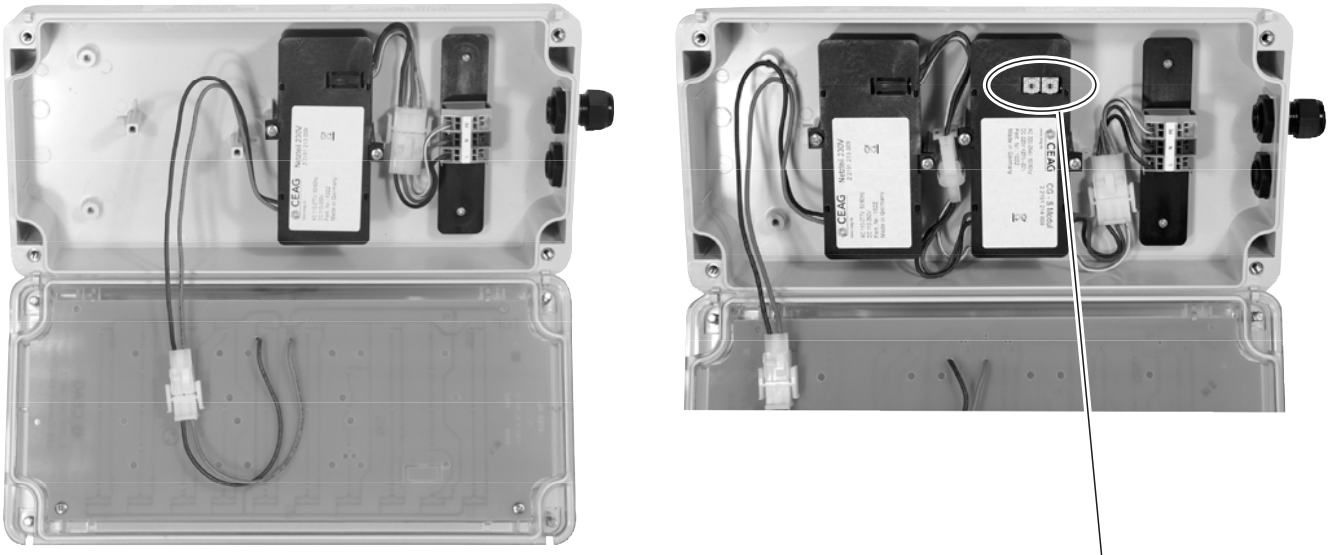


Bild 1/fig. 1/Fig.1

Befestigungsschrauben /
Fixing screws /
vis de fixation
Ø 5 mm



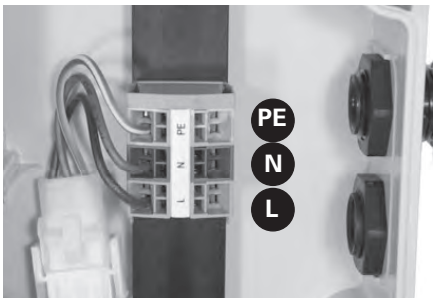


Bild 2/fig. 2/Fig. 2
Netzanschluss/Mains connection/schéma des connexions

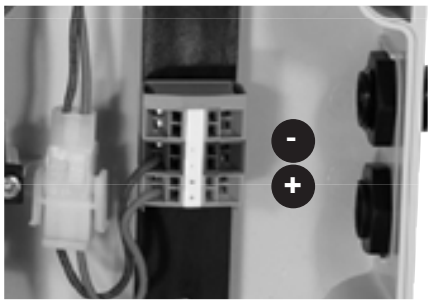


Bild 2a/
Netzanschluss 24 V DC/Mains connection 24 V DC/schéma des connexions 24 V CC

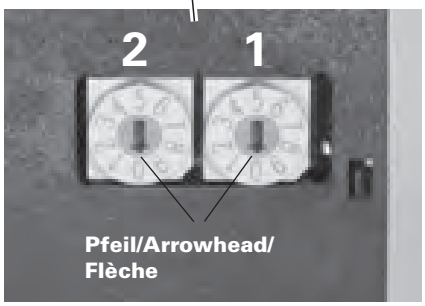


Bild 3/fig. 3/Fig. 3

1. Legende

Warning
This symbol warns of a serious hazard. Failure to observe this warning may result in death or the destruction of property.

⚠ Caution
This symbol warns of a possible failure. Failure to observe this caution may result in the total failure of the device or the system or plant to which it is connected.

1.1 Safety instructions

For skilled electricians and instructed personnel in accordance with national legislation, including the relevant standards and, where applicable, in acc. with IEC/EN 60079-14 on electrical apparatus for explosive atmospheres.

- ***The light fitting must not be operated in zone 0 or 20 hazardous areas!***
- ***The technical data indicated on the light fitting are to be observed!***
- ***The requirements of the EN/IEC 60079-31 regarding excessive dust deposits and temperature to be considered from the user.***
- ***Changes of the design and modifications to the light fitting are not permitted!***
- ***The light fitting shall be operated as intended and only in undamaged and perfect condition!***
- ***Only genuine CEAG/Cooper Crouse-Hinds GmbH (CCH) spare parts may be used for replacement!***
- ***Repairs that affect the explosion protection (see national standard), may only be carried out by CEAG/CCH or a qualified "electrician"!***
- ***Do not keep these operating instructions inside the light fitting during operation!***

The national safety rules and regulations for prevention of accidents and the following safety instructions which are marked with an (⚠) in these operating instruction, will have to be observed!

Address switch 1	Address switch 2	Luminaire address
0	0	Monitoring off
0	1	1
0	2	2
...	...	...
1	0	10
1	1	11
...	...	...
...	...	...
2	0	20
2	1	not permissable
...	...	...
9	9	not permissable

Fig. 4 Addressing

2. Technical data

ATEX type examination certificate:		BVS 09 ATEX E 029	
Marking acc. to 94/9/EG and standard:			
EN 60079-0:	ta_{max} + 40 °C:	Ⓔx II 2 G Ex e ib mb IIC T6 Gb	
	ta_{max} + 50 °C:	Ⓔx II 2 G Ex e ib mb IIC T5 Gb	
Exit V-CG-S	ta_{max} + 50 °C:	Ⓔx II 2 G Ex e ib mb IIC T4 Gb	
		Ⓔx II 2 D Ex tb IIIC T80°C Db	
IECEx type examination certificate:		IECEx BVS 13.0017	
Category of application:			
IEC 60079-0:	ta_{max} + 40 °C:	Ex e ib mb IIC T6 Gb	
	ta_{max} + 50 °C:	Ex e ib mb IIC T5 Gb	
Exit V-CG-S	ta_{max} + 50 °C:	Ex e ib mb IIC T4 Gb	
		Ex tb IIIC T80°C Db	
Rated voltage AC:			
EXIT 24 V		non-permissible	
EXIT		110 V- 277 V*	
EXIT V-CG-S		220 V- 254 V*	
Rated voltage DC:			
EXIT 24 V		12- 24 V DC-15%/+ 20%	
EXIT		110 V- 250 V *	
EXIT V-CG-S		195 V- 250 V *	
Rated frequency		50- 60 Hz	
Rated current			
110 V AC/DC:		0.05 A	
230 V AC/DC:		0.025 A	
Insulation class to IEC/EN 61140:		I	
Degree of protection accd. IEC/EN 60529		IP 66	
Operation temperature: (Deviating temperatures possible with special versions)		-20 °C to +40°C/+50°C	
Storage temperature in original packing:		-20°C to +50°C	
Weight EXIT / EXIT 24 V:		approx. 2,0 kg	
Weight EXIT V-CG-S:		approx. 2,2 kg	
Supply terminal clamping capacity 2 x per terminal:		3 x 2.5 mm²	
Ex-e cable entry			
Standard version		M20 x 1,5 for cable Ø 7 to 13 mm	
suitable cables and test torques of the pressure srew		Ø	Nm
seel 1+2 (1 2)	min.	7.0	1.5
	max. (1)(2)	9.0	1.4
seel 2 (2)	min.	9.5	1.0
	max. (2)	13.0	1.7
metal:		M20x1.5 thread	
Test torque for M 20 x 1.5 Ex-e cable entry:		2.7 Nm	
Test torque for mounting screws cover:		2.4 Nm	

* max. permissable tolerances accd. IEC/EN 60079-0

(1) The tests of clamping ranges and torque values were performed with metal mandrel. The clamping range can vary by using cables with different manufacturing tolerances and material properties. Please use the combination of sealing 1 + 2 for the intermediate region.

(2) When selecting the seal rubber, ensure that the cap nut can be tightened when carrying out any future maintenance work on the cable entry.

3. Conformity with standards

The light fitting is suitable for use in zone 1, 2 and 21, 22 hazardous areas acc. to IEC/EN 60079-10-1 and IEC/EN 60079-10-2.

They have been designed, manufactured and tested according to the state of the art and to DIN EN ISO 9001:2008 and EN ISO/IEC 80079-34:2011.

The light fitting is conform to the standards specified in the EC-Declaration of conformity, enclosed separately.

4. Installation EXIT

⚠ The respective national regulations as well as the general rules of engineering which apply to the installation and operation of explosion protected apparatus will have to be observed (IEC/EN 60079-14)!

Transport and storage of the luminaire is permitted in original packing and specified position only!

4.1 Opening and closing the light fitting

– Unscrew the four screws of the cover.
– The cover can be opened to the molded-on hinges. For ease of installation, the cover can be removed out of the hinges. If putting down take care to prevent scratches on the silk screen cover.

4.2 Installation of the fitting

Warning. Hazard due to electrostatic charges!
Luminaire must not be installed in the vicinity of charge-generating processes!

The luminaire shall be fitted by using the four mounting clips with suitable fixing screws (Ø 5 mm, fig. 1) onto a suitable surface.

4.3 Mains connection

Open the cover as described.

Pass the cable (5.5 to 13 mm) through the certified Ex cable entry M 20 x 1,5. Use both sealing inserts for cables from 7 to 9 mm, and the outer sealing insert only for cables from 9.5 to 13 mm. Pay attention to the proper fit of the remaining sealing insert in the certified cable gland.

In case of unused cable entries, remove their protective cover and close the entries with a blanking plug (torque of 1,7 Nm). When closing the gland with a blanking plug, always use both sealing inserts! When metal cable entries are used, the protective caps of the unused entries are to be removed and the entries to be closed with certified Ex blanking plugs!

⚠ Only fix laid cable may be used for connection! If cable glands from other manufacturer are used the instructions regarding strain relief and clamping capacity must be observed!

Connect the conductors to the terminals L, N and PE in accordance with the terminal marking (see fig. 2).

Remont the LED-printed board into the housing.

Take care not to pinch any conductors. Install the protective cover with the four screws. Tighten the screws only hand-tight!

5. Monitoring (only EXIT V-CG-S)

The V-CG-S module monitors and indicates to the connected CEAG emergency supply system the operation of the supply unit circuit and the function of min. 50 % of the installed LEDs.

The V-CG-S module allows single monitoring of these luminaires in CEAG emergency lighting systems. The switching mode (maintained/ non-maintained and switched emergency luminaires) is freely programmable and mixed operation up to 20 addresses in a single circuit is possible.

5.1 Addressing

Before fitting the cover, the addressing of the individual luminaires is to be carried out. The desired address (fig.4, 1 - 20) is set on the address switch by means of a suitable screw driver (Arrowhead to No., fig. 3). If the luminaire should not be monitored the code 0/0 has to be selected.

The standing luminaire EXIT and is not equipped with monitoring circuit and can not be addressed.

6. Taking into operation

⚠ Prior to operation, check the light fitting for its proper functioning and installation in compliance with these operating instructions and other applicable regulations!

Only carry out insulation measurements between PE and the external conductor L as well as between PE and N.

– measuring voltage: max. 1 kV AC/DC
– measuring current: max. 10 mA

⚠ There must no insulation measurement be carried out between L and N, since that would destroy the electronics (mains input fuse in the unit).

7. Maintenance

⚠ Observe the national regulations applicable to the maintenance, servicing and test of apparatus for explosive atmospheres e.g IEC/EN 60079-17 as well as the general rules of engineering!

7.1 Servicing

When servicing, in particular those components that affect the explosion protection, will have to be checked, e. g.:
– Housing and protective bowl for any cracks or damages.
– Gaskets for their perfect condition.
– Terminals and blanking plugs for their firm fit.
– Because of the risk of an electrostatic charge, the light fitting shall only be cleaned with a damp, non-fibrous cloth or sponge!
Only use customary household washing-up liquid diluted in water as specified! The water temperature may be max. 50°C.
After that, rinse with clear water to prevent the risk of tension cracks in the protective bowl!

7.2 Repair

Prior to replacing or removing any components, observe the following:

Cut the apparatus off the voltage before opening it or carrying out repairs! Only use certified genuine CEAG/CCH spare parts! (See CEAG/CCH spare parts list).

Subject to alteration or supplement of this product series.

Regarding waste disposal, observe the relevant national regulations! The plastic materials are marked with material identifications.

EG-Konformitätserklärung
EC-Declaration of conformity
CE-Déclaration de conformité

BVS 09 ATEX E 029 (1)

GHG 900 1000 P0020 F

Wir / *We* / *Nous*

Cooper Crouse-Hinds GmbH
Neuer Weg-Nord 49
D-69412 Eberbach

erklären in alleiniger Verantwortung, dass das Produkt
hereby declare in our sole responsibility, that the product
déclarons de notre seule responsabilité, que le produit

LED Rettungszeichenleuchte
LED exit luminaire
Lumineux antidéflagrant à diodes

EXIT *

⟨Ex⟩ II 2 G / ⟨Ex⟩ II 2 D

den folgenden EU-Richtlinien, den entsprechenden harmonisierten Normen, und weiteren normativen Dokumenten entspricht.
complies with the following EU directives, their corresponding harmonised standards, and other normative documents.
correspond aux directives européennes suivantes, à leurs normes harmonisées, et aux autres documents normatifs suivants.

Bestimmungen der Richtlinie Terms of the directive *Prescription de la directive*		Titel und / oder Nr. sowie Ausgabedatum der Norm *Title and / or No. and date of issue of the standard* *Titre et / ou No. ainsi que date d'émission des normes:*
94/9/EG: 94/9/EC: 94/9/CE:	Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen. *Equipment and protective systems intended for use in potentially explosive atmospheres.* *Appareils et systèmes de protection destinés à être utilisés en atmosphères explosibles.*	EN 60 079-0: 2012 EN 60 079-7: 2007 EN 60 079-11: 2012 EN 60 079-18: 2009 EN 60 079-31: 2014
2014/34/EU	*Equipment and protective systems intended for use in potentially explosive atmospheres.* gültig ab 20.April 2016, valid as of 20.April 2016	
		EN 60 598-1: 2008 + A11: 2009 EN 60 598-2-22: 1999 +A1 : 2003 + A2 : 2008 EN 60 529: 1991 + A1: 2000 + A2: 2013
2004/108/EG: *2004/108/EC:* *2004/108/CE:* 2014/30/EU:	Elektromagnetische Verträglichkeit *Electromagnetic compatibility* *Compatibilité électromagnétique* *Electromagnetic compatibility* gültig ab 20.April 2016, valid as of 20.April 2016	EN 55 015: 2013
2011/65/EU: *2011/65/EU:* *2011/65/UE:*	RoHS –Richtlinie *RoHS – directive* *Directive RoHS*	EN 50 581: 2012

den 21.09.2015

Datum
date
et date

Die Original-Konformitätserklärung ist dem Produkt beigelegt !
The original declaration of conformity is supplied in the packing with the product !
La déclaration originale de conformité sera fournie avec le produit !

(1) Benannte Stelle (EG-Baumusterprüfbescheinigung)
Notified body (EC-type examination certificate)
Organisme notifié (Examen CE de type)

DEKRA EXAM GmbH (0158)
Dinnendahlstrasße 9
D-44809 Bochum

Benannte Stelle (Qualitätssicherung Produktion)
Notified body (Production Quality Assurance)
Organisme notifié (Assurance Qualité de Production)

DEKRA EXAM GmbH (0158)
Dinnendahlstrasße 9
D-44809 Bochum

Für den sicheren Betrieb des Betriebsmittels sind die Angaben der zugehörigen Betriebsanleitung zu beachten.
For the safe use of this apparatus, the information given in the accompanying operating instructions must be followed.
Afin d'assurer le bon fonctionnement de nos appareils, prière de respecter les directives du mode d'emploi correspondant à ceux-ci.

IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx BVS 11.0073U issue No.:1

Certificate history:
Issue No. 1 (2014-9-2)
Issue No. 0 (2011-11-8)

Status: **Current**

Date of Issue: **2014-09-02** Page 1 of 5

Applicant: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Electrical Apparatus: **Battery blocks type type 22191******, type 33468******, type 22710****** and type 31147******
Optional accessory:

Type of Protection: **Equipment protection by type of protection "n", Equipment protection by increased safety "e"**

Marking: Ex e IIC Gb (all types except 33468236002)
Ex nA IIC Gc (only type 33468236002)

Approved for issue on behalf of the IECEx Certification Body: H.-Ch. Simanski

Position: Head of Certification Body

Signature:
(for printed version) _____

Date: _____

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 the Official IECEx Website.

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
DEKRA EXAM GmbH

IECEx Certificate of Conformity

Certificate No.: IECEx BVS 11.0073U

Date of Issue: **2014-09-02** Issue No.: **1**

Page 2 of 5

Manufacturer: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Additional Manufacturing location(s):

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 electrical apparatus 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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/ExTR11.0102/01

Quality Assessment Report:

DE/BVS/QAR11.0009/02

IECEx Certificate of Conformity

Certificate No.: IECEx BVS 11.0073U

Date of Issue: **2014-09-02** Issue No.: **1**

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

Description

The battery blocks are intended for installation into suitable lamps. The list ("Subject and Type") allocates the individual type of battery block to the appropriate lamp.
The battery blocks have to be protected by mounting them into enclosures that meet the requirements of types of protection Increased Safety (EPL Gb), Type of Protection n (EPL Gc) or Protection by Enclosure (EPL Db).

Schedule of Limitations

The battery blocks are only suitable for the use in those types of lamps stated in Subject and Type.
As part of the equipment certificate, the connections leading outside the batteries have to comply with Table 1 of IEC 60079-7:2007 (EPL Gb).
As part of the equipment certificate, the connections leading outside the batteries have to comply with Table 1 of IEC 60079-15:2010 (EPL Gc).

CONDITIONS OF CERTIFICATION: NO

IECEx Certificate of Conformity

Certificate No.: IECEx BVS 11.0073U

Date of Issue: **2014-09-02** Issue No.: **1**

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EQUIPMENT(continued):

Subject and type

Type	Type of cell	Used in equipment	Used Certificate[1]
2 2191 217 009 2 2191 180 106	VST AA	Emergency light Exit N	BVS 09 ATEX E 029 IECEx BVS 13.0017
2 2191 217 000 2 2191 106 000	VST AA	Emergency light Ex-Lite N, Ex-Lite NLT	BVS 09 ATEX E 048 IECEx BVS 13.0016
3 3468 236 002 2 2710 500 002	VNT D U	Emergency light nLLK08 N	BVS 09 ATEX E 162 BVS 09 ATEX E 147 IECEx BVS 11.0065 IECEx BVS 12.0069
			BVS 09 ATEX E 162

2 2710 500 001	VT F	Emergency light nLLK08 N	BVS 09 ATEX E 147 IECEx BVS 11.0065 IECEx BVS 12.0069
2 2710 004 000		Emergency light eLL*92… NI	PTB 99 ATEX 2144 IECEx PTB 04.0001
		Battery pack NIB 2710-2	
2 2710 104 000		Emergency light eLL*92… NIB	BVS 09 ATEX E 034 IECEx BVS 09.0033
		Battery pack eBK02 / eBS09 / eBB20	BVS 09 ATEX E 044 X IECEx BVS 11.0003X
		Battery pack NIB 2710-3	BVS 09 ATEX E 042 U IECEx BVS 14.0085U
		Recessed ceiling lamp eLLB20 NIB	DMT 02 ATEX E 069 IECEx BKI 08.0017
2 2710 004 001		Emergency light eLL*92…NE	BVS 09 ATEX E 034 IECEx BVS 09.0033
		Recessed ceiling lamp eLLB20 NE	DMT 02 ATEX E 069 IECEx BKI 08.0017
		Battery pack NE 2710-12	BVS 09 ATEX E 042 U IECEx BVS 14.0085U
		Battery pack eB*12	BVS 09 ATEX E 044 X IECEx BVS 11.0003X
3 1147 000 111	VRE F	Hand-held spotlight SEB8L 7Ah	BVS 08 ATEX E 116
3 1147 000 115	VRE D	Hand-held spotlight SEB8L 5Ah	
3 1147 009 111	VHD 9500 XP	Hand-held spotlight SEB9L 9Ah	BVS 09 ATEX E 005

[1] Only Equipment with valid IECEx CoC are relevant. Other certificates are for information.

Parameters

Type of cell	Dimensions Ø / height [mm]	Capacity / Voltage [Ah] / [V]	Max. discharge current [A]	Temperature ranges [°C]			
				Charge C/10	Charge C/20	Discharge	Max. surface
VSTAA	14 / 50	0.6 / 1.2	1.8	-20 to +60	-20 to +65	-20 to +65	N/S
VNT D U	32 / 60	4.0 / 1.2	14.0	k. A.	-25 to +65	-25 to +65	N/S
VT F	32 / 90	7.0 / 1.2	35.0	-25 to +60	-25 to +65	-25 to +65	+80
VRE F	32 / 90	8.0 / 1.2	35.0	-25 to +60	-25 to +65	-25 to +65	+80
VRE D	32 / 60	5.1 / 1.2	40.0	-25 to +60	-25 to +65	-25 to +65	N/S
VHD 9500 XP	32 / 58	9.0 / 1.2	70.0	-5 to +50	-5 to +50	-20 to +50	+80

IECEx Certificate of Conformity

Certificate No.: IECEx BVS 11.0073U

Date of Issue: **2014-09-02** Issue No.: **1**

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- Update of the standard IEC 60079-0:2007 (Ed. 5) to IEC 60079-0:2011 (Ed. 6)
- Correction of type table
- Add of a new battery block type 2 2710 004 001