



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 BAS 16.0073X

Issue No: 1

Certificate history:

Status: **Current**

Issue No. 1 (2017-11-23)

Issue No. 0 (2016-11-16)

Date of Issue: **2017-11-23**

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Applicant: **Wolf Safety Lamp Company Limited**
Saxon Road Works,
Sheffield,
S8 0YA
United Kingdom

Equipment: **A Type LL-XXX Splitter Box**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust protected**

Marking:

**Ex d e IIC T5 Gb
Ex tb III C T90°C Db IP66
Ta -20°C to + 50°C**

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

[Handwritten signature: P. McInerney]
[Handwritten signature: McInerney]
[Handwritten date: 23/11/17]

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:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom



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Manufacturer: **Wolf Safety Lamp Company Limited**
Saxon Road Works,
Sheffield,
S8 0YA
United Kingdom

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 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
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:

[GB/BAS/ExTR16.0174/00](#) [GB/BAS/ExTR17.0338/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0017/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The splitter box comprises a GRP, stainless steel or aluminium enclosure with up to four outlet, terminals, and two optional fuses as indicated in the annex. The transportable unit is rated 254Vac and up to a total maximum current of 10A or 15A and is not intended to be moved while energised. Alternatively the splitter box may be provided with eight cable glands and cable in place of the sockets.

The component parts may be provided from the certified items indicated in the annex.

The splitter box is limited to gas atmospheres and 50V with an ingress protection rating of IP54 when provided with sockets to IECEx BVS 14.0089U.

The splitter box has an ingress protection rating of IP64 when provided with sockets to IECEx BVS 15.0088U.

When the splitter box is provided with cable glands and type SY steel braided cable the minimum operating temperature is -15°C.

The splitter box is limited to a maximum current of 15A when in a +50°C ambient and 10A when in a +55°C ambient.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The following specific conditions of use are applicable only when the splitter box is supplied with cable glands instead of plugs and sockets.

1. Unused terminals are to be tightened
2. Only one conductor per terminal
3. The uninsulated part of the conductor must not extend beyond the terminal throat



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

Variation 3.1

Add alternative socket types

Variation 3.2

Increase the upper ambient whilst decreasing the maximum current

Variation 3.3

Increase the number of fuses from one to two

ExTR: GB/BAS/ExTR17.0338/00

File Reference: 17/0441



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Additional information:

Annex:

[IECEx BAS 16.0073-1 Annex.pdf](#)

The splitter box comprises a GRP, stainless steel or aluminium enclosure with up to four outlet, terminals, and two optional fuses as indicated below. The transportable unit is rated 254Vac and up to a total maximum current of 10A or 15A and is not intended to be moved while energised. Alternatively the splitter box may be provided with eight cable glands and cable in place of the sockets.

The component parts may be provided from the certified items indicated below.

Enclosure			
Type	Certificate	Code	Standards
KE 26	IECEX PTB 08.0003U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -55°C to + 85°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2008
MBP	IECEX IBE 14.0018U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -55°C to + 100°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2013
AL-KE 25	IECEX PTB 08.0005U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -20°C to + 85°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2008
34	IECEX PTB 07.0059U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -20°C to + 100°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2008
iTB iSTB	IECEX SIR 12.0083U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -50°C to + 135°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2013
Flange mounted socket outlet			
Type	Certificate	Code and maximum rating	Standards
GHG 54**	IECEX BVS 14.0089U	Ex db eb IIC Gc Ta -25°C to + 65°C 50V 16A	IEC60079-0: 2011 IEC60079-1: 2007 IEC60079-7: 2006
GHG 5118**	IECEX BVS 15.0088U	Ex db eb IIC Gb Ex tb IIIC Db IP64 Ta -55°C to + 60°C 415V 16A	IEC60079-0: 2011 IEC60079-1: 2014 IEC60079-7: 2015 IEC60079-31: 2013
DXN1	IECEX LCI 09.0005X	Ex d e IIC T5Gb Ex tb IIIC T90°C Db IP66/67 Ta -40°C to + 60°C 550V 20A	IEC60079-0: 2011 IEC60079-1: 2007 IEC60079-7: 2007 IEC60079-31: 2008
8572/15-..	IECEX PTB 16.0028U	Ex db eb IIC Gb Ex tb IIIC Db IP66 Ta -55°C to + 45°C – 65°C 277V 16A	IEC60079-0: 2011 IEC60079-1: 2014 IEC60079-7: 2015 IEC60079-31: 2013
8573/15-..	IECEX PTB 16.0030U	Ex db eb IIC Gb Ex tb IIIC Db IP66 Ta -55°C to + 45°C – 65°C 50V 16A	IEC60079-0: 2011 IEC60079-1: 2014 IEC60079-7: 2015 IEC60079-31: 2013
Terminals			
Type	Certificate	Code and maximum rating	Standards
WDU 2.5 /WPE	IECEX ULD 14.0005U	Ex eb IIC Ta -60°C to +110°C 690V 24A	IEC60079-0: 2011 IEC60079-7: 2007

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ANNEX to IECEx BAS 16.0073X

Issue No. 1

Date: 2017/11/23

Fuses			
Type	Certificate	Code and maximum rating	Standards
FU40	IECEX LCI 15.007U	Ex db eb IIC Rated up to 690V 40A Service temp -40°C to +80°C	IEC60079-0: 2011 IEC60079-1: 2007 IEC60079-7: 2007

The splitter box is limited to gas atmospheres and 50V with an ingress protection rating of IP54 when provided with sockets to IECEx BVS 14.0089U.

The splitter box has an ingress protection rating of IP64 when provided with sockets to IECEx BVS 15.0088U.

When the splitter box is provided with cable glands and type SY steel braided cable the minimum operating temperature is -15°C.

The splitter box is limited to a maximum current of 15A when in a +50°C ambient and 10A when in a +55°C ambient.

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ANNEX to IECEx BAS 16.0073X

Issue No. 0

Date: 2016/11/16

The splitter box comprises a GRP or aluminium enclosure with up to four sockets, terminals, and an optional fuse as indicated below. The transportable unit is rated 254Vac and up to a total maximum current of 15A and is not intended to be moved while energised. Alternatively the splitter box may be provided with cable glands and cable in place of the sockets.

The component parts may be provided from the certified items indicated below.

Enclosure			
Type	Certificate	Code	Standards
26	IECEX PTB 08.0003U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -20°C to + 85°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2008
MBP	IECEX IBE 14.0018U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -55°C to + 100°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2013
25	IECEX PTB 08.0005U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -20°C to + 85°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2008
34	IECEX PTB 07.0059U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -20°C to + 100°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2008
ITB iSTB	IECEX SIR 12.0083U	Ex e IIC Gb Ex tb IIIC Db IP66 Ta -50°C to + 135°C	IEC60079-0: 2011 IEC60079-7: 2006 IEC60079-31: 2013
Flange mounted socket outlet			
Type	Certificate	Code and maximum rating	Standards
GHG 54**	IECEX BVS 14.0089U	Ex db eb IIC Gc Ta -25°C to + 65°C 50V 16A	IEC60079-0: 2011 IEC60079-1: 2007 IEC60079-7: 2006
GHG 5118**	IECEX BVS 15.0088U	Ex db eb IIC Gb Ex tb IIIC Db IP64 Ta -55°C to + 60°C 415V 16A	IEC60079-0: 2011 IEC60079-1: 2014 IEC60079-7: 2015 IEC60079-31: 2013
DXN1	IECEX LCI 09.0005X	Ex d e IIC T5Gb Ex tb IIIC T90°C Db IP66/67 Ta -40°C to + 60°C 550V 20A	IEC60079-0: 2011 IEC60079-1: 2007 IEC60079-7: 2006 IEC60079-31: 2008
Terminals			
Type	Certificate	Code and maximum rating	Standards
WDU 2.5 /WPE	IECEX ULD 14.0005U	Ex eb IIC Ta -60°C to +110°C 690V 24A	IEC60079-0: 2011 IEC60079-7: 2006
Fuses			
Type	Certificate	Code and maximum rating	Standards
FU40	IECEX LCI 15.007U	Ex db eb IIC Rated up to 690V 40A Service temp -40°C to +80°C	IEC60079-0: 2011 IEC60079-1: 2007 IEC60079-7: 2007

The splitter box is limited to gas atmospheres and 50V when provided with sockets to IECEx BVS 14.0089U.

The splitter box has an ingress protection rating of IP64 when provided with sockets to IECEx BVS 15.0088U.

When the splitter box is provided with cable glands and type SY steel braided cable the minimum operating temperature is -15°C.



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