


Translation

(1) 7th 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 034**
- (4) Equipment: **Fluorescent lighting fixture type eLL* ** ***/** ***
- (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 09.2044 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- | | |
|----------------------------|-----------------------------|
| EN 60079-0:2012 + A11:2013 | General requirements |
| EN 60079-1:2007 | Flameproof enclosure "d" |
| EN 60079-7:2007 | Increased safety "e" |
| EN 60079-11:2012 | Intrinsic safety "i" |
| EN 60079-18:2009 | Encapsulation "m" |
| EN 60079-31:2009 | Protection by enclosure "t" |
- (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 de IIC T4 Gb	(Type without option; ZB; DCA)
	II 2G Ex de mb ib IIC T4 Gb	(Type NIB; LED NE; V-CG-S, CG-S; NE)
	II 2G Ex de mb IIC T4 Gb	(Type LED; LED HT)
	II 2D Ex tb IIIC T80°C Db	

DEKRA EXAM GmbH
Bochum, dated 2015-08-14

Signed: Simanski

Certification body

Signed: Dr. Wittler

Special services unit

(13) Appendix to

(14) **7th Supplement to the EC-Type Examination Certificate
BVS 09 ATEX E 034**

(15) 15.1 Subject and type

Fluorescent lighting fixture type eLL^{*1)} ^{**2)} ^{***3)}/^{**4)} ^{*5)}

- | | | |
|----|--------|--|
| 1) | K | : Plastic enclosure |
| | M | : Pole mounted light with plastic enclosure |
| | S | : Stainless steel enclosure |
| 2) | 08 | : Type coding of stainless steel luminaire |
| | 92 | : Type coding of plastic luminaire |
| 3) | 0.. | : Bi-pin lamp cap type G13 |
| | 3.. | : One-pin lamp cap type FA6 |
| | 18 | : 18 W – 1 st fluorescent lamp |
| | 36 | : 36 W – 1 st fluorescent lamp |
| | 36-1 | : 32 W – 1 st fluorescent lamp (only without feed-through wiring) |
| | 58 | : 58 W – 1 st fluorescent lamp |
| | LED | : Version with LED-modules |
| 4) | 18 | : 18 W – 2 nd fluorescent lamp |
| | 36 | : 36 W – 2 nd fluorescent lamp |
| | 58 | : 58 W – 2 nd fluorescent lamp |
| | 400 | : With LED-module 26 W |
| | 800 | : With LED-module 52 W |
| | 400HT | : With LED-module 26 W (16 W) |
| | 800HT | : With LED-module 52 W (32 W) |
| 5) | None | : Standard |
| | ZB | : Suitable for emergency power supply (central battery) |
| | CG-S | : With Monitoring module |
| | V-CG-S | : With monitoring module |
| | NIB | : Intelligent single battery system |
| | DCA | : DC – Disconnection |
| | NE | : Emergency light version with VE12 218, VE12 236 or VE12 236-1 |

15.2 Description

The fluorescent lighting fixture type eLL* ** ***/** * is an explosion-protected electrical apparatus that accommodates single or twin fluorescent luminaires with either lamp cap FA6 (one-pin) or lamp cap G13 (Bi-pin).

Only separately certified EVGs, one single, one double or two single, are used as electronic ballast, such as: EVG09... (BVS 09 ATEX E 054 U). The Emergency-luminaire-variants are used with VE/EVG05 (BVS 09 ATEX E 043 U), e.g. VE97... (BVS 09 ATEX E 043 U), or VE12 218, VE12 236 or VE12 236-1 (BVS 09 ATEX E 043 U).

The luminaires may be replaced inside the potentially explosive atmosphere if the fluorescent lighting fixture is equipped with a separately certified light switch (BVS 12 ATEX E 086 U) which disconnects the light at all poles or if the voltage of the lighting fixture is set to zero before changing the luminaire. The variant without a light switch contains a relevant warning on the outside of the enclosure.

The lighting fixtures that are equipped with a luminaire size T12 (38 mm diameter) are exclusively used with mechanical protection.

The enclosure of the fixture consists of either glass-mat reinforced polyester or of stainless steel; the light-permitting diffuser is made of polycarbonate.

The lighting fixture type eLL* ** ***/** ZB is intended to be connected to a central battery system or emergency power supply. If the light operates on twin luminaires, each luminaire is supplied by a separate circuit via its own electronic ballast.

The lighting fixture type eLL* ** ***/** CG-S is equipped with a separately certified CG-S module (PTB 04 ATEX 2110 U), which can be connected to the central battery system (ZBS) of the manufacturer.

The lighting fixture type eLL* ** ***/** NIB is provided with an emergency light device which consists of one or two separately certified EVG09... in conjunction with the supply unit VE97..., and / or the power supply / emergency light unit VE/EVG05..., as well as a battery box type eBK02 NIB or eBS09 NIB (BVS 09 ATEX E 044 X) with an inserted battery of type NIB 2710-3 (BVS 09 ATEX E 042 U).

The luminaire type eLL* ** ***/** NE can be equipped with emergency light unit consist of ballast VE12 218, VE12 236 or VE12 236-1 (BVS 09 ATEX E 043 U) and battery box eBK12 NE resp. eBS12 NE (BVS 09 ATEX E 044 X) incl. battery NE2710-12 (BVS 09 ATEX E 042 U).

Optionally the luminaires are usable with a reducing bolt M25 - M20 type 2462 900 010.

The luminaire with separately certified LED modules (BVS 13 ATEX E 018 U) can also be used as an exchange light source for luminaires beginning from production year 2011 if these are equipped with electronic ballast EVG09.

The luminaire types for the LED-modules can be equipped with electronic ballasts EVG09 400HT or EVG09 800HT (BVS 09 ATEX E 054 U) for an extended ambient temperature range.

Reason of the supplement:

The luminaire type eLL* ** ***/** V-CG-S with separately certified emergency control unit (BVS 15 ATEX E 071 U) will be added.

The luminaire type eLL* ** ***/** LED 400HT/** NIB or eLL* ** ***/** LED 800HT/** NIB can be equipped with an emergency unit, which consists of one or two separately certified EVG09... with the supply unit VE97..., or the electronic ballast and emergency unit VE/EVG05... and battery box type eBK02 NIB or eBS09 NIB (BVS 09 ATEX E 044 X) with inserted battery type NIB 2710-3 (BVS 09 ATEX E 042 U).

The luminaire type eLL* ** ***/** NE is equipped with emergency control unit consists of a supply unit VE12 218, VE12 236 or VE12 236-1 (BVS 09 ATEX E 043 U) and the battery box eBK12 NE or eBS12 NE (BVS 09 ATEX E 044 X) including battery set NE2710-12 (BVS 09 ATEX E 042 U) with luminaire switch type GHG 883 00001 R (BVS 12 ATEX E086 U).

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Monitoring module CG-S module	PTB 04 ATEX 2110 U	EN 60079-0:2009 EN 60079-7:2007 EN 60079-11:2007 EN 60079-18:2009
Lamp holder G13	PTB 96 ATEX 2143 U	EN 60079-0:2009 EN 60079-1:2007
Lamp holder FA6	PTB 00 ATEX 2125 U	EN 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007
Electronic ballast EVG09...	BVS 09 ATEX E 054 U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007
Ballast VE/EVG05, VE97..., VE12 218, VE12 236 oder VE12 236-1	BVS 09 ATEX E 043 U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-11:2012
Luminaire switch Type GHG 883 00001 R	BVS 12 ATEX E 086 U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007
Battery Type NIB 2710-3, NE2710-12	BVS 09 ATEX E 042 U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-11:2012 EN 60079-18:2009
LED-Module	BVS 13 ATEX E 018 U	EN 60079-0:2012 EN 60079-7:2007 EN 60079-18:2010
Emergency control unit V-CG-S	BVS 15 ATEX E 071 U	EN 60079-0:2012 EN 60079-7:2007 EN 60079-11:2012 IEC 60079-18:2014

15.3 Parameters

15.3.1 Electrical data

One-pin lamp cap type FA6

Type of luminaire	Type of electronic ballast / supply unit	Nominal voltage	Frequency
eLL* ** 318	1x EVG09 118	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 318/18	1x EVG09 218	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 318/18 NE	1 x VE12 218 + Battery boxes eBK12 NE resp. eBS12 NE	120 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 336	1x EVG09 136	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 336/36	1x EVG09 236 resp. 2x EVG09 136	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 336/36 NE	1 x VE12 236 + Battery boxes eBK12 NE resp. eBS12 NE	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 336/36 NE	1 x VE12 236-1 + Battery boxes eBK 12 NE resp. eBS12 NE	120 V AC	50 Hz – 60 Hz
eLL* ** 358	1x EVG 09 158	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 358/58	1x EVG09 258 resp. 2x EVG09 158	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 336/36 ZB	2x EVG09 136	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 358/58 ZB	2x EVG09 158	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 318/18 NIB	1x VE/EVG05 218 + Battery boxes eBK02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 318/18 NIB	1x VE/EVG05 218-1 + Battery boxes eBK02 NIB resp. eBS09 NIB	110 V – 127V AC	50 Hz – 60 Hz
eLL* ** 336 NIB	1x VE97236 + 1x EVG09 136 + Battery boxes eBK 02 NIB resp. eBS 09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 336 NIB	1x VE97 236-1 + 1x EVG09 136 + Battery boxes eBK 02 NIB resp. eBS09 NIB	110 V – 127 V AC	50 Hz – 60 Hz
eLL* ** 336/36 NIB	1x VE97 236 +1x EVG09 236 + Battery boxes eBK 02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 336/36 NIB	1x VE97 236-1 + 1x EVG09 236 + Battery boxes eBK02 NIB resp. eBS09 NIB	110 V – 127 V AC	50 Hz – 60 Hz

Bi-pin lamp cap type G13

Type of luminaire	Type of electronic ballast / supply unit	Nominal voltage	Frequency
eLL* ** 018	1x EVG09 118	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 018/18	1x EVG09 218	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 036	1x EVG09 136	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 036/36	1x EVG09 236 resp. 2x EVG09 136	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 058	1x EVG09 158	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 058/58	1x EVG09 258 resp. 2x EVG09 158	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 036/36 ZB	2x EVG09 136	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 058/58 ZB	2x EVG09 158	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 018/18 NIB	1x VE/EVG05 218 + Battery boxes eBK02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 018/18 NIB	1x VE/EVG05 218-1 + Battery boxes eBK02 NIB resp. eBS 09 NIB	110 V – 127 V AC	50 Hz – 60 Hz
eLL* ** 018/18 NE	1 x VE12 218 + Battery boxes eBK12 NE resp. eBS12 NE	120 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 036/36 NE	1 x VE12 236 + Battery boxes eBK12 NE resp. eBS12 NE	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 036/36 NE	1 x VE12 236-1 + Battery boxes eBK12 NE resp. eBS12 NE	120 V AC	50 Hz – 60 Hz
eLL* ** 036 NIB	1x VE97 236 + 1x EVG09 136 + Battery boxes eBK02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 036 NIB	1x VE97 236-1 + 1x EVG09 136 + Battery boxes eBK02 NIB resp. eBS09 NIB	110 V – 127 V AC	50 Hz – 60 Hz
eLL* ** 036/36 NIB	1x VE97 236 + 1x EVG09 236 + Battery boxes eBK02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** 036/36 NIB	1x VE97 236-1 + 1x EVG09 236 + Battery boxes eBK02 NIB resp. eBS09 NIB	110 V – 127 V AC	50 Hz – 60 Hz
eLL* ** 018/18 CG-S	1x EVG09 218 +CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz

Type of luminaire	Type of electronic ballast / supply unit	Nominal voltage	Frequency
eLL* ** 036/36 CG-S	1x EVG09 236 +CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 058/58 CG-S	1x EVG09 258 +CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 018/18 DCA	1x EVG09 218 DCA Version	110 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 036/36 DCA	1x EVG09 236 DCA Version	110 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 018/18 V- CG-S	1x EVG09 218 + V-CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 036/36 V- CG-S	1x EVG09 236 + V-CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** 058/58 V- CG-S	1x EVG09 258 + V-CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz

LED module

Type of luminaire	Type of electronic ballast / supply unit	Nominal voltage	Frequency
eLL* ** LED 400 ***	1x EVG09 218	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800 ***	1x EVG09 236	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800 ZB	2x EVG09 136	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 400 NIB	1x VE/EVG05 218 + Battery boxes eBK02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** LED 400 NIB	1x VE/EVG05 218-1 + Battery boxes eBK02 NIB resp. eBS09 NIB	110 V – 127V AC	50 Hz – 60 Hz
eLL* ** LED 800 NIB	1x VE97 236 + 1x EVG09 136 resp. EVG09 236 + Battery boxes eBK02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** LED 800 NIB	1x VE97 236-1 + 1x EVG09 136 resp. EVG09 236 + Battery boxes eBK02 NIB resp. eBS09 NIB	110 V – 127 V AC	50 Hz – 60 Hz
eLL* ** LED 400 NE	1 x VE12 218 + Battery boxes eBK12 NE resp. eBS12 NE	120 V – 254 V AC	50 Hz – 60 Hz
eLL* ** LED 800 NE	1 x VE12 236 + Battery boxes eBK12 NE resp. eBS12 NE	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** LED 800 NE	1 x VE12 236-1 + Battery boxes eBK12 NE resp. eBS12 NE	120 V AC	50 Hz – 60 Hz

Type of luminaire	Type of electronic ballast / supply unit	Nominal voltage	Frequency
eLL* ** LED 400 CG-S	1x EVG09 218 +CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800 CG-S	1x EVG09 236 +CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 400 DCA	1x EVG09 218 DCA Version	110 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800 DCA	1x EVG09 236 DCA Version	110 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 400HT *	EVG09 400HT	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800HT *	EVG09 800HT	110 V – 254 V AC 110 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 400 V-CG-S	1x EVG09 218 + V-CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800 V-CG-S	1x EVG09 236 + V-CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 400HT CG-S	1x EVG09 400HT + CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800HT CG-S	1x EVG09 400HT + CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 400HT V-CG-S	1x EVG09 400HT + V-CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800HT V-CG-S	1x EVG09 800HT + V-CG-S Modul	220 V – 254 V AC 195 V – 250 V DC	50 Hz – 60 Hz
eLL* ** LED 800HT NIB	1x EVG09 800HT + VE97 236 + eBK02 NIB resp. eBS09 NIB	220 V – 254 V AC	50 Hz – 60 Hz
eLL* ** LED 800HT NIB	1x EVG09 800HT + VE97 236-1 + eBK02 NIB resp. eBS09 NIB	110 V – 127 V AC	50 Hz – 60 Hz

15.3.2 Thermal data

Type eLL* ** ***/**

Ambient temperature range if $U < 220 \text{ V}$

$-25^\circ\text{C} \leq T_a \leq +50^\circ\text{C}$

Ambient temperature range if $U \geq 220 \text{ V}$

$-25^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$

Type eLL* ** *18/18 CG-S

Ambient temperature range

$-25^\circ\text{C} \leq T_a \leq +50^\circ\text{C}$

Type eLL* ** *36/36 CG-S

Ambient temperature range

$-25^\circ\text{C} \leq T_a \leq +50^\circ\text{C}$

Type eLL* ** *58/58CG-S

Ambient temperature range

$-25^\circ\text{C} \leq T_a \leq +40^\circ\text{C}$

Type eLL* ** *18/18 NIB

Ambient temperature range

$-25^\circ\text{C} \leq T_a \leq +50^\circ\text{C}$

Type eLL* ** *36/36 NIB

Ambient temperature range

$-25^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$

Type eLL* ** *18/18 NE

Ambient temperature range

$-25^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$

Type eLL *** 36/36 NE Ambient temperature range	$-25\text{ °C} \leq T_a \leq +55\text{ °C}$
Type eLL *** 058/58 Ambient temperature range	$-25\text{ °C} \leq T_a \leq +40\text{ °C}$
Type eLL *** 058/58 ZB Ambient temperature range	$-25\text{ °C} \leq T_a \leq +55\text{ °C}$
Type eLL *** LED *** Ambient temperature range	$-25\text{ °C} \leq T_a \leq +45\text{ °C}$
Type eLL *** LED 400HT * Ambient temperature range	$-25\text{ °C} \leq T_a \leq +55\text{ °C}$
Type eLL *** LED 800HT * Ambient temperature range	$-25\text{ °C} \leq T_a \leq +55\text{ °C}$
Type eLL *** 18/18 V-CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +50\text{ °C}$
Type eLL *** 36/36 V-CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +50\text{ °C}$
Type eLL *** 58/58 V-CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +40\text{ °C}$
Type eLL *** LED 400 V-CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +45\text{ °C}$
Type eLL *** LED 800 V-CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +45\text{ °C}$
Type eLL *** LED 400 CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +50\text{ °C}$
Type eLL *** LED 800 CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +50\text{ °C}$
Type eLL *** LED 400HT V-CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +50\text{ °C}$
Type eLL *** LED 800HT V-CG-S Ambient temperature range	$-25\text{ °C} \leq T_a \leq +50\text{ °C}$
Type eLL *** LED 800HT NIB Ambient temperature range	$-25\text{ °C} \leq T_a \leq +55\text{ °C}$

(16) Test and Assessment Report

BVS PP 09.2044 EG as of 2015-08-14

(17) Special conditions for safe use

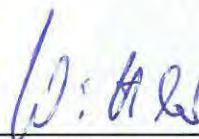
None

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, 2015-08-14
BVS-Pz/Mu A 20150098



Certification body



Special services unit