Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

PTB

(1) # EC-TYPE-EXAMINATION CERTIFICATE

(Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-type-examination Certificate Number:

PTB 99 ATEX 1063 U

(4) Component: Surface-type socket outlet

(5) Manufacturer: CEAG Sicherheitstechnik GmbH

(6) Address: D-69412 Eberbach

(7) This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component 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 confidential report PTB Ex 00-19163.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997 + A1 + A2 **EN 50018:1994** **EN 50019:1994**

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified component in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this component.

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

Ex II 2 G EEx de IIC

Zertifizierungsstelle Explosionsschutz
By order

Dr.-Ing. U. Klausmeyer
Regierungsdirektor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

(13) # SCHEDULE

(14) ## EC TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1063 U

(15) Description of component

The surface-type socket outlet of type GHG 542 5... R.... is used for the connection of portable electrical equipment in hazardous areas.
Staggered slotting is to make sure that only plugs and socket outlets of identical voltage rating can be interconnected. Mechanical identification safeguards that plugs of the plug-and-socket device type GHG 511 .... V.... (EC Type-Examination Certificate PTB 99 ATEX 1039 and Certificate of Conformity PTB No. Ex-85.B.1115) may be used for the flange-mounting socket outlet.

Electrical data

Rated insulating voltage	up to	60 V		
Rated voltage	up to	50 V	50 V	50 V
Rated current	max.	16 A	16 A	10 A
Utilisation category		AC-3	DC-1	DC-11

Provided the making and breaking capacities are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.

Rated frequency	up to	400 Hz	
Rated cross section	max.	2.5 mm²	finely stranded
		4 mm²	stranded
Ambient temperture		-55 °C to 55 °C	

(16) Test report PTB Ex PTB Ex 00-19163

(17) Special conditions for safe use

The surface-mounting socket outlet shall be attached to an enclosure that meets the requirements of an approved type of protection in accordance with EN 50014, section 1.2

When mounting the surface-mounting socket outlet on an enclosure of type of protection Increased Safety “e” in accordance with EN 50019, the clearance and creepage distances have to be in compliance with sections 4.3 and 4.4 as well as with the specifications in table 1.

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SCHEDULE TO EC-TYPE-EXAMINATION CERTIFICATE PTB 99 ATEX 1063 U

(18) Essential health and safety requirements

The tests and the favourable results these have produced reveal that the surface-mounting socket outlet meets the requirements of directive 94/9/EC as well as those of the standards quoted on the cover sheet.

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, January 15, 2001

Dr.-Ing. U. Klausmeyer
Regierungsdirektor