



(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 98 ATEX 1073 U

(4) Component: Blanking plug of type 29-35/..x...

(5) Manufacturer: Emil A. Peters GmbH & Co. KG

(6) Address: Westfalenstr. 85, 58636 Iserlohn

(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 98-18098.

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

EN 50 014:1997

EN 50 018:1994

(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:

II 2 G EEx d II IM 2 EEx d I

Zertifizierungsstelle Explosionschutz

Braunschweig, January 20, 1999

By order

Dr.-Ing. U. Klausmeyer
Oberregierungsrat



SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE No. PTB 98 ATEX 1073 U**

(15) Description of component

The type 29-35/...x... blanking plug may be used to close openings for cable bushings in flameproof enclosures, which are not used.

Technical data

Type and size of threadM10 x 1,5 to M48 x 1,5
other types and sizes of threads with
respective identification

(16) Report PTB Ex 98-18098

(17) Special conditions for safe use

Threaded holes into which cable bushings are screwed with the internal thread must meet the minimum requirements of EN 50 018, section 5.3 (Table 3). These blanking plugs are suitable for installation in electrical apparatus of the type of protection flameproof enclosure "d" of groups I, IIA, IIB or IIC.

The blanking plug must be fastened in the electrical apparatus so that it is locked to prevent rotation and accidental loosening.

The blanking plug is a constructional unit. The reproducible assembly and the installation conditions have been documented. According to EN 50 018, section 16.2 (13.4.4), a routine test together with the flameproof enclosure in compliance with section 16.1 is, therefore, not necessary.

The component can be used in both, group I and group II, as the requirements of the standard are identical in this case

(18) Essential health and safety requirements

The tests carried out and their positive results show that the blanking plugs meet the requirements of Directive 94/9/EC and of the standards stated on the cover sheet.

Zertifizierungsstelle Explosionsschutz

By order


Dr.-Ing. U. Klausmeyer
Oberregierungsrat



Braunschweig, January 20, 1999

Sheet 2/2

1st SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 98 ATEX 1073 U

(Translation)

Equipment: Blanking plug, type 29-35/..x...

Marking:  **II 2 G EEx d II, I M 2 EEx d I**

Manufacturer: Emil A. Peters GmbH & Co. KG


Address: Westfalenstraße 85, 58636 Iserlohn, Germany

Description of supplements and modifications

The blanking plug, type 29-35/..x..., is modified in the following respects:

- 1) The type name is changed to 29-96/35-**.
- 2) The blanking plug has been re-examined on the basis of standards EN 60079-0:2012 and EN 60079-1:2007.

The marking therefore changes to:

 **II 2 G Ex d IIC Gb resp. I M 2 Ex d IMb**

Technical data

Type and size of thread	M 10 x 1.5 to M 100 x 1.5 other types of threads and sizes with identification
Operating temperatures	-55 °C to +120 °C

Notes for manufacturing and operation

Threaded holes into which the blanking plugs are screwed with the internal thread must meet the minimum requirements of EN 60079-1 (table 3).

The blanking plugs are suited for installation in electrical apparatus of flameproof enclosure "d" type of protection of groups I, IIA, IIB or IIC.

The blanking plug has to be fixed in the electrical equipment so that rotation and accidental loosening will be prevented.

The blanking plug is a structural unit. The reproducible assembly and the installation conditions have been documented. According to EN 60079-1, routine testing together with the flameproof enclosure is, therefore, not required.

The component can be used in both group I and group II, because the requirements of the standard are in this case identical.

The installation of electrical components is subject to re-assessment by a notified body.

Applied standards

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, September 23, 2014



Dipl.-Phys. U. Völkel

