IBExU Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg

[1] **EC-TYPE EXAMINATION CERTIFICATE**
according to Directive 94/9/EC, Annex III

(Translation)

[2] Equipment and Protective System intended for use in Potentially Explosive Atmospheres, Directive 94/9/EC

[3] EC-Type Examination Certificate Number: **IBExU13ATEX1004 X**

[4] Equipment: **Junction Enclosure**
Type Klippon POK...Ex

[5] Manufacturer: Weidmüller Interface GmbH & Co. KG

[6] Address: Klingenbergstr. 16
32758 Detmold
Germany

[7] The design of the equipment mentioned in [4] and any acceptable variation thereto are specified in the schedule to this EC-Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH, NOTIFIED BODY number 0637 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that the equipment mentioned in [4] has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The test results are recorded in the test report IB-12-3-214 of 3 April 2013.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012, EN 60079-7:2007, EN 60079-11:2012 and EN 60079-31:2009.

[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 under [17] in the schedule to this EC-Type Examination Certificate.

[11] This EC-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment.

[12] The marking of the equipment mentioned in [4] shall include one of the following:

Ⓔx II 2G Ex e IIC T6...T5 Gb or **II 2G Ex eb IIC T6...T5**
Ⓔx II 1G Ex ia IIC T6...T5 Ga or **II 1G Ex ia IIC T6...T5**
Ⓔx II 2(1)G Ex e ia IIC T6...T5 Gb or **II 2(1)G Ex eb ia IIC T6...T5**
Ⓔx II 2D Ex tb IIIC T 85 °C ...100 °C Db or **II 2D Ex tb IIIC T 85 °C...100 °C**
$-55\ °C \le T_a \le +40\ °C/+55\ °C$

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Authorised for certifications
-Explosion protection-

By order

(Dr. Wagner)

Zertifizierungsstelle Explosionsschutz IBExU Institut für Sicherheitstechnik GmbH * Kenn-Nr. 0637 *

- Seal-
(ID no. 0637)

Freiberg, 3 April 2013

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Schedule

[13] **Schedule**

[14] **to the EC-TYPE EXAMINATION CERTIFICATE IBExU13ATEX1004 X**

[15] **Description of equipment**

The Junction enclosures type Klippon POK...Ex are produced from polyester and can be provided with approved Ex components according to ATEX, such as plug-in connectors, modular terminal blocks, connecting terminals and switches, in any combination.
The housings can be used in increased safety in the zones 1 and 2 as well as 21 and 22.

Types

	length	breadth	high
Klippon POK 080806 Ex	75 mm	80 mm	55 mm
Klippon POK 081106 Ex	75 mm	110 mm	56 mm
Klippon POK 081606 Ex	75 mm	160 mm	56 mm
Klippon POK 081906 Ex	75 mm	190 mm	55 mm
Klippon POK 082306 Ex	75 mm	230 mm	56 mm
Klippon POK 121209 Ex	120 mm	122 mm	90 mm
Klippon POK 122209 Ex	120 mm	220 mm	90 mm
Klippon POK 161609 Ex	160 mm	160 mm	90 mm
Klippon POK 162609 Ex	160 mm	260 mm	90 mm
Klippon POK 163609 Ex	160 mm	360 mm	90 mm
Klippon POK 165609 Ex	160 mm	560 mm	90 mm
Klippon POK 252512 Ex	250 mm	255 mm	120 mm
Klippon POK 254012 Ex	250 mm	400 mm	120 mm
Klippon POK 256012 Ex	250 mm	600 mm	120 mm
Klippon POK 404012 Ex	405 mm	400 mm	120 mm
Klippon POK 252516 Ex	250 mm	255 mm	160,5 mm
Klippon POK 254016 Ex	250 mm	400 mm	160,5 mm

Further identically constructed enclosures can be manufactured with in-between sizes.

Technical data:

Ambient temperature range:	T6/T 85 °C	-55 °C to +40 °C
	T5/T 100 °C	-55 °C to +55 °C
Degree of protection:		IP 66

Electrical data:

Rated voltage:	according to clamping type to 690 V intrinsaley safe circuits 100 V
Rated current:	according to the equipping tables max. 453 A
Connection cross-section:	max. 300 mm^2
Protective ground cross-section:	to 150 mm^2

[16] **Test report**

The proof of explosion protection is recorded in detail in the test report IB-12-3-214. The test documents are part of the test report and are listed there.

Summary of the test results:
The Junction enclosures types Klippon POK...Ex fulfil the requirements of explosion protection for equipment group II and category 2G, type of protection Increased Safety and Category 2D with Protection by enclosures and Intrinsic safety.

Safety technical notes

- The conditions specified in the EC-Type Examination Certificates of the Ex components have to be taken into account for the installation of these components in the enclosure.
- The degree of protection, at least IP 64 for dust/ IP 54 for gas, at the installation and operation is reached only at the proper use of cable glands which are tested and confirmed on explosion protection.

[17] **Special conditions for safe use**

- The applicable temperature ranges for the ambient temperature depending on the temperature class / max. Surface temperature must be observed.
- The values are maximum values, the actual electrical values are determined by the built-in components. The manufacturer fixes the definite rated values in the context of these limiting values. So the manufacturer ensures the compliances with the maximum surface temperature and the permissible operating temperature of the components.

[18] **Essential Health and Safety Requirements**

Confirmed by compliance with standards (see [9]).

By order

Freiberg, 3 April 2013

(Dr. Wagner)