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Ex Strain Relief for Non-Armored Cable

Installation & Mounting Instructions

Material Type: Fiber Reinforced Nylon Active (BXA)

Installation Instructions

IECEX BEV 14.0020X
ATEX BVS 14 ATEX E 025X
Article: HSK-K-Ex-Active, HSK-K-Multi-Ex-Active,
HSK-K-Flaka-Ex

Mounting / Installation

Be sure to check the products for proper working order (integrity) before mounting them. Only qualified personnel (electricians) may carry out installations, using suitable tools. The products must be used as delivered, no modifications permitted. To prevent accidental loosening, use a lock nut or suitable safeguard adhesive. As the tightening torque depends on the cables used, it is the user's responsibility to determine the appropriate torque in each case. Both the gland screw and the cap nut must be properly tightened. Note that under tightening or over tightening the connecting thread or the cap nut may adversely affect the type of protection, the tightness and / or the strain relief.

Prior to use

Before pulling the installation into service, check it for compliance with these installation instructions as well as local and international standards (including application-specific ones).

Should you have additional questions, please contact the manufacturer. Please note that unauthorized or improper application or non-compliance with these installation instructions shall void the manufacturer's liability.

Installation instructions for HSK-K-Multi-Ex-Active

The cable diameter should not be less 20% of the hole diameter and the difference between cable diameter and hole should never exceed 1mm (.04"). When using multi-cable inserts with slits, it is permitted to remove insert from the gland and reinstall it with the cable fitted.



Installation instructions for HSK-K-Flaka-Ex-Active

The clamping range of the cable used may not deviate from the manufacturer-specified minimum values by more than 1mm (.04") in the length and 1mm (.04") in the width. The geometrics of the cable and the insert hole must be compatible (semicircular or straight at the sides.) When using flat-cable inserts with unilateral slits, it is permitted to remove insert from the gland and reinstall it with the flat-cable fitted.

79211 Denzlingen, May 2016

Marking

The products and / or their smallest packaging units are marked as specified below. Products marked otherwise may not be used under this type-examination certificate. Non-compliance shall void the manufacturer's liability.

- Manufacturer's name and address
- BVS 14 ATEX E 025X
- IECEx BVS 14.0020X
-  II 2G Ex eb IIC Gb
- Type and connecting thread size
-  -mark incl. ID number of notified body (only on packaging)
- $-4^{\circ} \leq T_a \leq +185^{\circ}\text{F}$ ($-20^{\circ}\text{C} \leq T_a \leq + 85^{\circ}\text{C}$)
- Clamping Range (only on packaging)
- IP 68 - 10bar (only on packaging)

Safety

The products may only be used within the specified temperature range. The manufacturer shall not be liable for damage caused by use in non-specified fields of application. Only qualified personnel may carry out work in hazardous areas. All relevant regulations must be observed in this case!

Resistance / Endurance

The products consist of:

Body of gland: Polyamide

Gasket and O-Ring: NBR (nitrile-butadiene rubber)

The materials used are suitable for "industrial atmospheres", meaning that they are resistant or highly resistant to mineral oils within the specified temperature range. For all other applications, consult the manufacturer.

Maintenance

At the specified maintenance intervals it is recommended to check the compression fittings and tighten as necessary.

This documentation includes the following documents:

- Current Sales Catalogue of HUMMEL AG
- Accident Prevention Regulations and related installation instructions / Electro technical Regulations (responsibility lies with installer)

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Manufacturer

HUMMEL AG
Lise-Meitner-Straße 2
79211 Denzlingen / Germany

Notified body

DEKRA EXAM GmbH
Carl-Beyling-Haus
Dinnendahlstraße 9
44809 Bochum / Germany

ID number

0158

IECEX CoC

IECEX BVS 14.0020X

EC type-examination

BVS 14 ATEX E 025X

Scope

HSK-K-(Multi/Flaka)-Ex-Active cable glands

Reference standards

- EN 60079-0:2012	- IEC60079-0:2011
- EN 60079-7:2007	- IEC60079-7:2015
- EN 60079-31:2014	- IEC60079-31:2013

Temperature range:

-4°F - 185°F (-20°C - 85°C)

Type / degree of protection

IP 68, up to 10 bar

Cable clamping ranges and other technical data

See packaging or current Sales Catalogue

Special conditions

These cable glands are suitable only for use with permanently installed cables. The installer is responsible for providing appropriate strain relief. The cable glands of the thread sizes M12, M16 and NPT 3/8" have been tested with a reduced impact force and are only appropriate for installations, where a mechanical protection of the cable gland is provided. In the case of the NPT connecting threads, the end-user must ensure the necessary IP protection is guaranteed, this can be done by using a suitable sealing agent.

By using the glands in Zone 20/ Da and Zone 21 / Db the user should full fill the requirements of EN/IEC 60079-31 and EN/IEC 60079-14

Subject to dimensional and design modifications



EC Declaration of Conformity

Complying the EU Directive 2014/34/EU, Attachment X

Types Cable Glands
HSK-K-*-Ex-Active

Certified in EC-Type Examination certificates BVS 14 ATEX E 025 X

Issued by notified bodies

DEKRA EXAM GmbH
Dinnendahlstraße 9
44809 Bochum / Germany
Notified Body 0158

Following standards are applied

EN 60079-02:2012 Electrical apparatus for potentially explosive atmospheres - General requirements

EN 60079-7:2007 Electrical apparatus for potentially explosive atmospheres - Increased safety "e"

EN 60079-31:2014 Electrical apparatus for use in the presence of combustible dust, Electrical apparatus protected by enclosures - Construction and testing

EN60529 Degrees of protection provided by enclosures (IP-Code)

We declare that the above articles were developed and manufactured in the responsibility of HUMMEL AG.



Klaus Gehri
HUMMEL AG / ATEX-representative

We Provide Customers
with Cable Management Solutions!

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