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Ex Strain Relief for Non-Armored Cable

Installation & Mounting Instructions

Material Type: Metal Body

Installation Instructions

IECEX BVS07.0019X

DMT 03 ATEX E 051 X

Article: HSK-M-Ex, HSK-M-EMV-Ex, HSK-M-EMV-D-Ex, HSK-MZ-Ex, HSK-MZ-EMV-Ex, HSK-INOX-Ex, HSK-INOX-EMV-Ex Products

(also with multi-hole & flat-cable inserts)

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 torques depend 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 undertightening or overtightening 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).

Installation instructions (only for glands with multi-hole inserts)

The cable diameter may be up to 20% (but no more than 1 mm) smaller than the before diameter. As a rule, all openings must be closed.

Installation instructions (only for glands with flat-cable inserts)

The clamping range of the cable used may not deviate from the manufacturer-specified minimum values by more than 1 mm in length and 1 mm in width. The geometries 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 the insert from the gland and reinstall it with the cable fitted.

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.

79211 Denzlingen, July 2010

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
- DMT 03 ATEX E 051 X
- Ex II 2G 1D Ex e II tD A20 IP68 (only on the packaging)
- IECEx BVS07.0019X
- Ex Ex ell
- Ex tD A20 IP 68
- Type and connecting threads size
- CE -mark incl. ID number of notified body (only on packaging)
- $-20^{\circ}\text{C} \leq T_a \leq +95^{\circ}\text{C}$ ($-4^{\circ}\text{F} \leq T_a \leq +203^{\circ}\text{F}$) (only on packaging)
- Clamping range (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:	Nickel-plated brass or Stainless steel (INOX)
Clamping insert:	Polyamide or Metal-Plated Polyamide
Gasket and O-Ring:	NBR (nitrile-butadiene rubber)
Multiple sealing Insert:	TPE (thermoplastic elastomer)
Flat-cable sealing Insert:	TPE (thermoplastic elastomer)

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

These cable glands are maintenance-free.

This documentation includes the following documents:

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

Manufacturer HUMMEL AG
Lise-Meitner-Strasse 2
79211 Denzlingen / Germany



Notified body DEKRA EXAM GmbH
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ID number 0158

IECEX CoC IECEX BVS07.0019X

EC type-examination DMT 03 ATEX E 051 X

Scope HSK-M-Ex, HSK-M-EMV-Ex, HSK-M-EMV-D-Ex,
HSK-MZ-Ex, HSK-MZ-EMV-Ex, HSK-INOX-Ex,
HSK-INOX-EMV-Ex cable glands
(also with multi-hole or flat-cable inserts)

Reference standards - EN 60079-0:2006 - EN 60079-7:2003
- EN 61241-0:2006 - EN 61241-1:2004
- EC Directive 94/9/EC

Temperature range: -20°C - 95°C (-4°F - 203°F)

Type / degree of protection IP 68, up to 10 bar

Cable clamping ranges and other technical data

See packaging or current Sales Catalog

Special conditions

Cable glands with cap nut but without a strain-relief device are available only for use with permanently installed cables. These cable glands are suitable only for use with permanently installed cables. The installer is responsible for providing appropriate strain relief.

Subject to dimensional and design modifications

We Provide Customers
with Cable Management Solutions!

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