

Herstellererklärung / Manufacturer's declaration

Produktbezeichnung / product name

Typenbezeichnung / type

Kabelverschraubung / cable glands**Series**

HSK-M, HSK-MZ, HSK-M-EX, HSK-MZ-EX, HSK-M/-PVDF-Ex, HSK-MZ/-PVDF-Ex, HSK-INOX/-PVDF-Ex, HSK-INOX-EX, HSK-M-EMV, HSK-MZ-EMV, HSK-M-PVDF, HSK-M-PVDF-EMV, HSK-M-PVDF-EMV-EX, HSK-M-EMV-EX, HSK-MZ-EMV-EX, HSK-INOX-EMV-EX, HSK-M-EMV-D, HSK-M-FLEX, HSK-M-FLEX-EMV, HSK-INOX-EMV, HSK-INOX-PG, HSK-INOX-PVDF, HSK-INOX/PVDF-EX, HSK-INOX-PVDF-EMV;

Prüfvorschriften/

UL File E103997

test specification

Special conditions

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Liquid-Tight Flexible Cord Connectors, Cat. Nos. HSK-M, HSK-MZ, HSK-M-EX, HSK-MZ-EX, HSK-M/-PVDF-Ex, HSK-MZ/-PVDF-Ex, HSK-INOX/-PVDF-Ex, HSK-INOX-EX, HSK-M-EMV, HSK-MZ-EMV, HSK-M-PVDF, HSK-M-PVDF-EMV, HSK-M-PVDF-EMV-EX, HSK-M-EMV-EX, HSK-MZ-EMV-EX, HSK-INOX-EMV-EX, HSK-M-EMV-D, HSK-M-FLEX, HSK-M-FLEX-EMV, HSK-INOX-EMV, HSK-INOX-PG, HSK-INOX-PVDF, HSK-INOX/PVDF-EX, HSK-INOX-PVDF-EMV; Sizes PG-7, , PG-9, , PG-11, , 3/4 in NPT, 3/8 in NPT, , M12x1.5, M16x1.5.

CONSTRUCTION DETAILS:

These devices are used to secure flexible cord to a liquid tight enclosure. See Ills. 1 thru 24 for cord diameters.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Conditions of Acceptability -

- (1) These devices are for use in Listed equipment.
- (2) The hub threads that are not NPT are provided with locknuts.
- (3) These devices have been subjected to the Assembly Test, Oven Conditioning Test, Oil Spray Test, Flexing Test, Pull Test and Flammability Test in accordance with UL 514B.
- (4) Size PG7-reduced held a pull force of 6.6 lbs (3 kg) while assembled to 0.12 in (3 mm) dia flexible cord. PG9-reduced held a pull force of 4.4 lbs (2 kg) while assembled to 0.12 in (3 mm) dia flexible cord. PG9-standard held a pull force of 6.6 lbs (3 kg) while assembled to 0.15 in (4 mm) dia cord. PG11-reduced held a pull force of 15.4 lbf (7 kg) while assembled to 0.12 in (3 mm) dia cord. All other sizes outlined in Ills. 1 thru 19 were subjected to the Pull Test outlined in UL 514B.
- (5) These devices comply with the Submersion Test in accordance with **UL50E**.
- (6) Connectors made of nickel Plated Brass were subjected to the Corrosion Resistance Test in accordance with **UL 50E**.
- (7) Connectors made of nickel Plated Brass comply with the requirements for Type 4, 4x, and 6 enclosure ratings in accordance with **UL50E**.

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DESCRIPTION

PRODUCT COVERED:

USL, CNL Liquid-Tight Flexible Cord Connectors, Cat. Nos. HSK-M, HSK-MZ, HSK-MZ-EMV, HSK-MZ-EMV-EX, HSK-M-EX, HSK-MZ-EX, HSK-INOX, HSK-INOX-EX, HSK-INOX-EMV, HSK-INOX-EMV-EX, HSK-INOX-PVDF, HSK-M-PVDF-EMV, HSK-M-PVDF-EMV-EX, HSK-M-EMV, HSK-M-EMV-EX, HSK-M-PVDF, HSK-M-EMV-D, HSK-M-FLEX, HSK-M-FLEX-EMV, HSK-M/-PVDF-Ex, HSK-M-PVDF-EMV-EX, HSK-MZ/-PVDF-Ex, HSK-INOX/-PVDF-Ex, **HSK-INOX-PVDF-EMV**; sizes PG13.5, PG16, PG21, PG29, PG36, PG42, PG48, M20x1.5, M25x1.5, M32x1.5, M40x1.5, M50x1.5, M63x1.5, NPT 1/2, NPT 3/4, NPT 1, NPT 1-1/4, NPT 1-1/2, NPT 1/2/16.

CONSTRUCTION DETAILS:

These devices are used to secure flexible cord to a liquid test enclosure. See Ills. 1 thru 23 for cord diameters.

Marking - Listee's name or trademark on device. Catalog number and cord range on device or shipping carton. The carton may contain the marking "Liquid-Tight" or equivalent. "TYPE 4" and/or "TYPE 6" on device or carton. The cord diameter range shall be marked on the fitting or smallest unit shipping carton.

Connectors made of nickel plated brass may be marked "Type 4X" on device or carton.

Alle Angaben wurden nach bestem Wissen und Gewissen erstellt und entsprechen unserem heutigen Kenntnisstand. Diese Herstellererklärung ist für 5 Jahre ab Ausstellungsdatum gültig.

We provide this information to the best of our knowledge and belief and in accordance with the current state of the art. This manufacturer's declaration is valid for 5 years from the date of issue.

Ort, Datum
Denzlingen den
13.03.2025

Hummel AG

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Director ENG (HAG)
ATEX-Representative

i.V. Christian Latte
Head of TEC