RINA

TYPE APPROVAL CERTIFICATE
No. **ELE340320XG**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

Description	**CABLE GLAND & ACCESSORIES**
Type	**KEL, KVT, KT, AT**
Applicant	**Icotek GmbH**
	Bischof-von-Lipp Strasse 1
	73569 Eschach
	GERMANY
Manufacturer	**Icotek GmbH**
Place of manufacture	**Bischof-von-Lipp Strasse 1**
	73569 Eschach
	GERMANY
Reference standards	**IACS E10 Rev.7, Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.**

Issued in **HAMBURG** on **January 15, 2021**. *This Certificate is valid until* **January 14, 2026**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

Product description:

Cables with various diameter can be routed due to a large variety of split grommets.

Type:

Product		Degree of protection
Frame		
KEL	E, B, 10, 16, 24, KEL 16/..-E, KEL 16/..-MT, KEL 16/..-2MT, KEL 24/..-E, KEL 24/..-MT, KEL 24/..-2MT, KEL 183-E, KEL 183, KEL-Jumbo	IP54
	KEL-ER (all types)	IP65/66
	KEL-U (all types)	IP54
	EMV-KEL-DS, EMV-KT	IP55
	KEL-BES (all types), KEL-BES-S (all types)	X
Cable Glands		
KVT	KVT 20, 25, 32, 40, 50, 63, 80	IP54
	KVT-ER 25, 32, 40, 50, 63	IP66/68
	EMV-KVT-DS, EMV-KT	IP55
Gromment		
KT	small, large, DT, DPF, KTMB, KT-SC	IP54 respectively IP66/68
AT	AT-PP, AT-KS, AT-FL, AT-K-M (all sizes), AT-K-Z (all sizes), AT-M (all sizes), AT-B	IP54 respectively IP66
QT + QTMB	small, large, DT	IP54
QT-AT	QT-AT-PP, QT-AT-KS, QT-AT-KM (all sizes), QT-AT-B	IP54
KEL-Jumbo	KTF (all sizes), KTA	IP54
	KEL-DPF (all types)	IP66/68
	KEL-ULTRA flex	IP66
Entry Plate		
KEL	KEL-DPU	IP66/67/68
	KEL-DPZ	IP65/66/68
	KEL-QTA	IP54
	KEL-DP	IP64/65
	KEL-SCDP	IP65
Strain relief	ZL, KZL (all types)	X

Mounting Type	Product
EMC cable shield earthing	
for assembly with screws	all sizes and configurations SKL, MSKL, LF/SKL, LFZ-M/MSKL, LFZ/SKL, LFZ-U/SKL, LFZ-M(45°)MSKL, LFZ-M(90°)MSKL, LF2Z-M/MSKL, LF/MSKL, LF/SKL, SK, SKZ, RLFZ, RLFZ-M, RLF
for 35 mm DIN rails	all sizes and configurations SFZ-M/MSKL, SFZ/SKL, SF2Z-M/MSKL, SF2Z/SKL, SF-M/MSKL, SF/SKL, SFS/SKL, SF/SK, SF/SKZ, SF/RLF, SF-RLFZ, SF-RLFZ-M
for 10x3 mm bus bars	all sizes and configurations PFSZ-M/MSKL, PFSZ/SKL, PFS2Z-M/MSKL, PFS2Z/SKL, SS/SK, SS/SKZ
for 30 mm C-rails	all sizes and configurations SC/LFZ-M/MSKL, SC/LFZ/SKL, SC/LF2Z-M/MSKL, SC/SK, SC/SKZ, SC/LF/MSKL, SC/LF/SKL, SC-RLF, SC-RLFZ, SC-RLFZ-M

Documents:
Product Catalogue

Test reports:
RST: Environmental Test, P50-19-0308, dated 30/09/2019

HAMBURG January 15, 2021