



EUROPEAN UNION RECOGNISED ORGANISATION (EU RO) MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

In accordance with Article 10.1 of EU Regulation 391/2009

Certificate No:
MRE000000D
Revision No:
2

This Certificate is issued to

**BAKS Wytwarzanie Osprzetu Instalacyjno – Elektrotechnicznego
Kazimierz Sielski
Karczew, Poland**

for

Cable Trays and Ducts (Metallic)

with type designation(s)

Cable Tray

The product is found to comply with

EU RO Mutual Recognition Technical Requirements for Cable Trays and Ducts (Metallic)

Intended service

Cable trays and ducts intended to be used in ship's cabling systems necessary for the applications mentioned in 1.b in the TA program.

This is to certify:

that the Product referred to herein has been inspected for the Manufacturer, pursuant to the relevant requirements of the European Union Recognised Organisation Mutual Recognition procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements.

This Certificate is valid until **2028-03-12**.

Issued at **Høvik** on **2025-08-28**

DNV local unit: **Gdansk CMC**

Approval Engineer: **Ivar Bull**



for **DNV**

This document has been digitally signed and will therefore not have handwritten signature

**Frederik Tore Elter
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Type Designation	KMSP
Application	Cable tray (perforated) for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel (F) with or without additional marine paint, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088 (E)
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity
Temperature	Min.: -105 °C Max.: 90 °C
Impact Resistance	20 J

Product symbol	Width (mm)	Material thickness (mm)	Safe Working Load (kg / m)	Length (mm)
KMSP75H15/2	75	1.5 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
KMSP100H15/2	100	1.5 ± 0.2 mm		Max. 3000
KMSP125H15/2	125	1.5 ± 0.2 mm		Max. 3000
KMSP150H15/2	150	1.5 ± 0.2 mm		Max. 3000
KMSP200H15/2	200	1.5 ± 0.2 mm		Max. 3000
KMSP250H15/2	250	1.5 ± 0.2 mm		Max. 3000
KMSP300H15/2	300	1.5 ± 0.2 mm		Max. 3000

Type Designation	KMSPP
Application	Cable tray (perforated) for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel (F) with or without additional marine paint, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088 (E)
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity
Temperature	Min.: -105 °C Max.: 90 °C
Impact Resistance	20 J

Product symbol	Width (mm)	Material thickness (mm)	Safe Working Load (kg / m)	Length (mm)
KMSPP75H15/2	75	1.5 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
KMSPP100H15/2	100	1.5 ± 0.2 mm		Max. 3000
KMSPP125H15/2	125	1.5 ± 0.2 mm		Max. 3000
KMSPP150H15/2	150	1.5 ± 0.2 mm		Max. 3000
KMSPP200H15/2	200	1.5 ± 0.2 mm		Max. 3000
KMSPP250H15/2	250	1.5 ± 0.2 mm		Max. 3000
KMSPP300H15/2	300	1.5 ± 0.2 mm		Max. 3000

Type Designation	KMSPJ
Application	Cable tray (perforated) for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel (F) with or without additional marine paint, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088 (E)
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity

Temperature	Min.: -105 °C Max.: 90 °C
Impact Resistance	20 J

Product symbol	Width (mm)	Material thickness (mm)	Safe Working Load (kg / m)	Length (mm)
KMSPJ75H15/2	75	1 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 2000
KMSPJ100H15/2	100	1 ± 0.2 mm		Max. 2000
KMSPJ125H15/2	125	1 ± 0.2 mm		Max. 2000
KMSPJ150H15/2	150	1 ± 0.2 mm		Max. 2000
KMSPJ200H15/2	200	1 ± 0.2 mm		Max. 2000
KMSPJ250H15/2	250	1 ± 0.2 mm		Max. 2000
KMSPJ300H15/2	300	1 ± 0.2 mm		Max. 2000

Type Designation	KDS
Application	Wire mesh cable trays for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel (F) with or without additional marine paint, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088 (E)
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity
Temperature	Min.: -105 °C Max.: 90 °C
Impact Resistance	20 J

Product symbol	Width (mm)	Wire diameter (mm)	Safe Working Load (kg / m)	Length (mm)
KDS/KDSO60H60/3	60/3000	3,8± 0,1 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
KDS/KDSO100H60/3	100/3000	3,8± 0,1 mm		Max. 3000
KDS/KDSO150H60/3	150/3000	3,8± 0,1 mm		Max. 3000
KDS/KDSO200H60/3	200/3000	3,8± 0,1 mm		Max. 3000
KDS/KDSO300H60/3	300/3000	4,5± 0,1 mm		Max. 3000
KDS/KDSO400H60/3	400/3000	4,5± 0,1 mm		Max. 3000
KDS/KDSO500H60/3	500/3000	5,0± 0,1 mm		Max. 3000
KDS/KDSO600H60/3	600/3000	5,0± 0,1 mm		Max. 3000

Manufactured by

BAKS - Kazimierz Sielski Profesjonalne Systemy Tras Kablowych
 Karczew, Poland

Application/Limitation

The installation is to be mechanically protected in accordance with DNV GL Rules and especially on weather decks in cargo hold areas and through cargo holds.

Cable trays must not be used as a walkway.

Type Approval documentation

Manufacturer products catalogue (products data sheets) issued 2018-02-16
 BBJ Test report nos. LA-17.108/1/E and LA-17.108/2/E issued 2017-10-25.
 BAKS Protocol of Durability Test doc. No. F-8.2.4-01-04/III issued 2018.02-12
 Catalogue pages received 10.06.2025
 SWL test reports witnessed by DNV 28.05.2025

Marking of product

Manufacturer name – Type designation – Material – Width – Height.

Other Conditions

Type tests according to IEC 61537.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that design and materials used comply with type approved documents
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed annually and at renewal of this certificate.

Generic Statement for EU RO MR Type Approval Certificate

When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

- American Bureau of Shipping (ABS);
- Bureau Veritas (BV);
- China Classification Society (CCS);
- Croatian Register of Shipping (CRS);
- DNV;
- Indian Register of Shipping (IRS);
- Korean Register (KR);
- Lloyd's Register Group Ltd. (LR);
- Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);
- Polish Register of Shipping (PRS);
- RINA Services S.p.A. (RINA);

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).

END OF CERTIFICATE