DNV·GL

Certificate No:
TAE00003WA

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Enclosure for Electrical Equipment

with type designation(s)
AX Compact enclosure,
KX Terminal box,
KX Bus enclosure,
KX E-Box,
Wall mounting brackets: 2508.020, 2503.020, 1590.010,
Lock Systems: 2435.100, 2435.200, 2435.400, 2537.100, 2537.200, 2537.300

Issued to
Rittal GmbH & Co. KG
Herborn, Hessen, Germany

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.
Degree of protection up to IP66
Vibration class A

Issued at **Hamburg** on **2020-04-07**
This Certificate is valid until **2025-04-06**.
DNV GL local station: **Essen**

for **DNV GL**

Approval Engineer: **Harald Amberger**

Arne Schaarmann
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.

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Product description

KX Terminal box:

Wall-mounted enclosures with cover, sheet steel with or without gland plate or stainless steel without gland plate and optional wall mounting brackets.

Dimensions:	Sheet steel:		Stainless steel:	
	Width:	150 up to 800 mm	Width:	150 up to 400 mm
	Height:	150 up to 400 mm	Height:	150 up to 300 mm
	Depth:	80 or 120 mm	Depth	80 or 120 mm

KX E-Box:

Wall-mounted enclosures with door, mounting plate, 180° hinge, sheet steel or stainless steel and optional wall mount brackets and optional Lock System.

Dimensions:	Sheet steel:		Stainless steel:	
	Width:	150 up to 380 mm	Width:	200 up to 380 mm
	Height:	150 up to 800 mm	Height:	300 mm
	Depth:	80 up to 155 mm	Depth	120 up to 155 mm

KX Bus enclosure:

Wall-mounted enclosures with door, 180° hinge, sheet steel with viewing window or stainless steel without viewing window and optional wall mount brackets.

Dimensions:	Sheet steel:		Stainless steel:	
	Width:	400 up to 800 mm	Width:	200 up to 600 mm
	Height:	200 or 300 mm	Height:	200 or 300 mm
	Depth:	155 mm	Depth	80 or 120 mm

AX Compact enclosure

Wall-mounted enclosures, sheet steel or stainless steel with one door or double door, mounting plate and up to two gland plates in the case of sheet steel and optional wall mount brackets and optional lock system.

Dimensions:	Sheet steel:		Stainless steel:	
	Width:	300 up to 1200 mm	Width:	300 up to 1000 mm
	Height:	300 up to 1400 mm	Height:	300 up to 1200 mm
	Depth:	210 up to 400 mm	Depth	210 up to 300 mm

Application/Limitation

Degree of protection:		
	KX E-Box: IP66	
	KX Terminal boxes:	IP66, IP55 (with gland plate)
	KX Bus enclosures:	IP66, IP65 (with viewing window)
	AX Compact enclosures:	IP66, IP55 (with double doors)

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

DIN EN 62208:2012-06, vibration

Marking of product

Rittal - Type designation - Main data.

Periodical assessment

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

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE