



# KD 5255

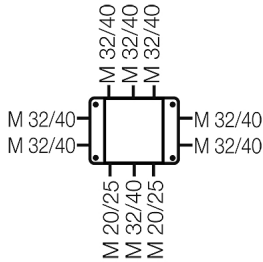
## Cable junction boxes for "offshore applications"

- "Offshore applications"
- saltwater-proof
- acid-resistant lid screws made of stainless steel
- with terminals
- burning behaviour 960° C; UL Subject 94: 5 V

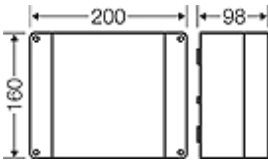
Approval mark



box walls



Dimension drawing



rated connecting capacity

3~ 10-25 mm<sup>2</sup>

conductor material:

Cu

Polarity  
conductor cross section

5-pole, per pole  
sol 6 x 10 mm<sup>2</sup>  
s 4 x 16 mm<sup>2</sup>  
s 4 x 25 mm<sup>2</sup>  
s 2 x 35 mm<sup>2</sup>

current carrying capacity

of the terminal 102 A

rated insulation voltage

A  
AC/DC 690 V

degree of protection:

IP 66 / IP 67  
temporary submersion up to 1 meter, max. 15 minutes

material:  
colour:

thermoplastic  
black RAL 9011

cable entry

cable/conduit entry via metric knockouts  
order ASS separately (refer to index LES)  
IEC 60,670-22

in accordance with  
in accordance with

Det Norske Veritas Certificate No. E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH  
Russian Maritime Register of Shipping, technical documentation is approved by the letter No. 250-011-2-39

### Operating and ambient conditions

Application area

Resistant to occasional cleaning procedures (direct jet)

Suitable for outdoor installation.

Resistant to occasional cleaning procedures (direct jet) with high-pressure cleaner without additives, water pressure: max. 100 bar, water temperature: max. 80° C, distance => 0,15 m, in accordance with the requirements IP 69K, enclosure and cable glands at least IP 65

ambient temperature

Average value over 24 hours + 55° C  
Maximum value + 70° C  
Minimum value - 25° C

Relative humidity

50% at 40° C short-time 100% at 25° C

Fire protection in the event of internal faults

Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60 695-2-11: - 650° C for boxes and cable glands - 850° C for parts of insulating material necessary to retain current carrying parts in position

Fire protection in the event of specific risks or hazards

Demands placed on electrical installations and devices in areas and facilities subject to fire risk, e.g. DIN VDE 0100 Part 482, official regulations, VdS directives Minimum requirements - Glow wire test to IEC 60 695-2-11: - 850° C for boxes and cable glands - 850° C for cavity wall installation - Use of fire resistant cables

Burning behaviour

Glow wire test IEC 60 695-2-11: 960° C  
UL Subject 94 5 V

degree of protection against mechanical load

flame resistant self-extinguishing  
IK08 (5 Joule)

Toxic behaviour

halogen-free silicone-free "halogen-free" in accordance with the examination



Note:

of the cables and insulated wires - corrosiveness of fumes - as per IEC 754-2  
To material properties see technical data.