

# Technical Description Terminal Boxes

## BL-KK Protection Type up to IP68

<b>Material:</b>	Stainless steel 1.4301, AISI 304 Stainless steel 1.4404, AISI 316L (V4A) Stainless steel 1.4571, AISI 316Ti (V4A) Optional: Other materials on request
<b>Material thickness:</b>	1.25mm to 5mm
<b>Areas of use:</b>	Our terminal boxes can be used in different areas: Inside and outside, ex-area, offshore, railway, automotive
<b>Temperature areas:</b>	-40°C to +120°C
<b>Protection class:</b>	IP66 to IP68
<b>Inspections/ certificates:</b>	Protection class tests up to IP68 ATEX-certified terminal boxes and terminal boxes with hinges with EX-protection. ExLine housings are also available with IECEx-approval (See - <a href="http://steeldesign.de/downloads-zertifikate">steeldesign.de/downloads-zertifikate</a> )
<b>Construction-features:</b>	The lid is supported on the IP68 body 2 mm towards the inside: Protection against ingressing water/dust, knife edge seal without gap for all housing sizes
<b>Closing:</b>	Welded-on multifunction nuts Screw connection with recessed screws and conical insertion that are applied outside of the sealing space
<b>Option:</b>	Additional stainless steel hinge, closure is still performed by screws
<b>Wall attachment:</b>	IP66: Attachment bore diameter 7mm  IP67/IP68: Housing without attachment bore  Optional: Attachment is performed via welded-on wall tabs with attachment bore (please indicate in your order)
<b>Protection/safety:</b>	Grounding set M6x12, DIN EN 60439-1:1994
<b>Seal:</b>	A seal of the corresponding materials for the desired area of application and protection class is selected: Silicone seal 7x10mm and EMC (additional sealing material may be produced on request)
<b>Installations/ Accessories:</b>	Housing solutions can be individually prefabricated and equipped according to your wishes: Assembly plate, serial terminals, wall tab set, flange plate, sight glass, accessories of stainless steel <b>Furthermore, the housings can be produced with punched sheets and cut-outs as well, depending on customer requirements</b>
<b>Surface:</b>	The following surfaces can be offered: Ground grain size 240 and grain size 320, powder-coated or painted pursuant to RAL, polished, electropolished, satinated, glass-pearl-blasted, CleanLine (nano-coating), laser-labelled, embossing, screen print and engraving (additional surfaces can be produced on request)

