

NEW



B.tronic – Strong in protection. Precise in detail.

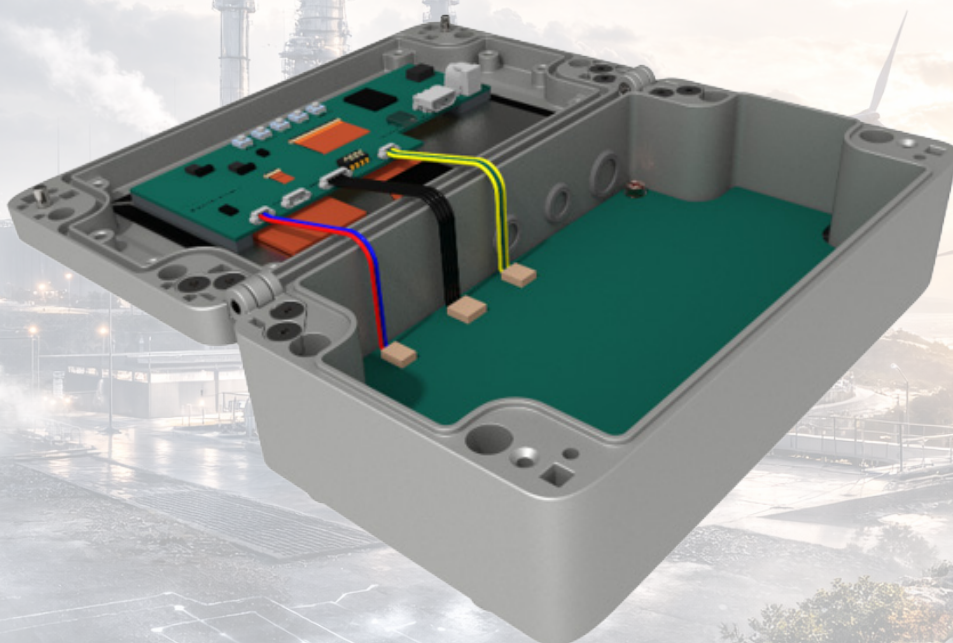
New enclosure protects sensitive electronic components

B.tronic combines robust protection, well-engineered functionality and striking industrial design – developed for industrial applications and demanding environmental conditions.

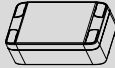
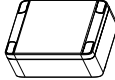
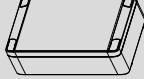
Manufactured from high-alloy aluminium, the B.tronic offers maximum corrosion resistance and reliable performance even under extreme conditions. With its protection rating of IP66/IP67 according to DIN EN 60529, the B.tronic reliably protects sensitive electronics against dust, moisture and harsh weather conditions. The enclosure provides a high level of flexibility: extensive options for integrating PCBs and assemblies, integrated hinges allowing opening in all directions, and wall mounting without the need to open the lid – ensuring optimum protection for the electronics. Custom design caps and coatings in virtually any RAL colour enable tailored design solutions. Whether used for outdoor measurement and control technology, EMC-sensitive applications or HMI solutions – the B.tronic stands for uncompromising quality and the comprehensive expertise of BERNSTEIN.

PRODUCT-HIGHLIGHTS

- **High-alloy aluminium enclosure** for maximum corrosion protection
- **Extensive options** for the integration of PCBs and assemblies
- **Integrated hinges** (optional) enabling opening in all directions
- **Wall mounting without opening the lid** (protects the electronics)
- **Custom design options** with various design caps
- **Coatings available in virtually any colour and surface finish**



B.tronic Order Data

Designation	Article Number	Width (mm)	Length (mm)	Height (mm)	Image
BT-101806	1500000000	102	186	64	
BT-121808	1510000000	122	186	82	
BT-142608	1540000000	140	260	82	
BT-152008	1520000000	152	206	82	
BT-162608	1530000000	162	266	82	

Accessories

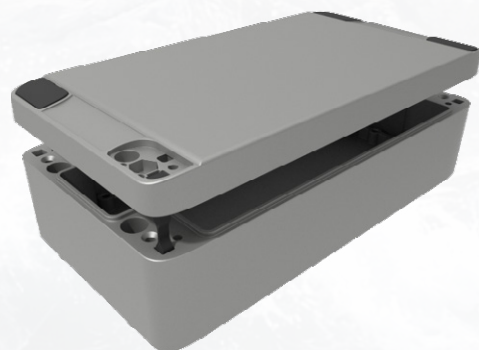
Image	Article Number	Description
	9800129000	Screw channel cover cap
	9800130000	Aluminum cover bar
	9802028000	Plastic snap-in hinge
	9801123000	Metal screw hinge

Technical Data

- **Material:** High-alloy aluminum
- **Surface finish:** Powder coating; RAL 7037 dusty grey, other RAL colours available on request
- **Seal:** Foamed PUR gasket; alternative sealing materials available
- **Protection class:** IP66/IP67 (with PUR gasket), according to DIN EN 60529
- **Temperature range:** -40 to +90 °C*

Scope of delivery

- Aluminium die-cast enclosure
- Cover caps for the screw channels
- Lid screws
- Earthing screw



* Using an alternative gasket allows temperature ranges from -55 to +130 °C.