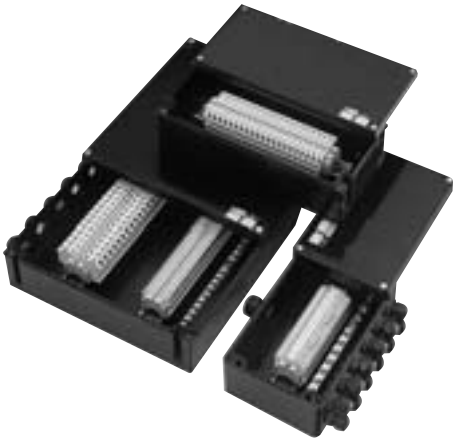
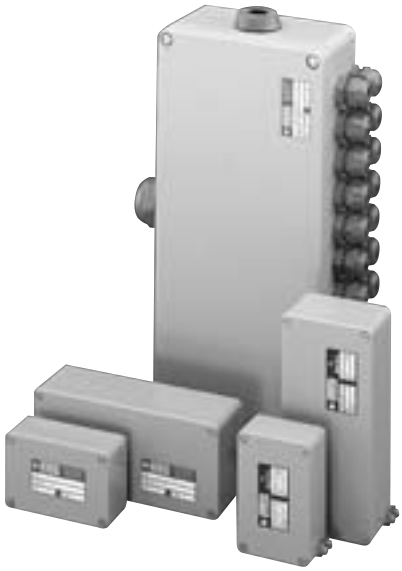
EExe and EExi terminal boxes in polyester and aluminium for 'Ex' areas





All BERNSTEIN polyester and aluminium enclosures are available in EExe and EExi versions

Ⓔx II 2 G EEx e II T6 or
EEx e ia IIC T6 or
EEx ia IIC T6

for the following product types:

Type CA…Ex, aluminium,
TÜV 03 ATEX 2136

Type CPG…Ex, polyester grey,
TÜV 03 ATEX 2153X

Type CPS…Ex, polyester black,
TÜV 03 ATEX 2153X

Special conditions for EExe and EExi terminal boxes in explosion-hazardous areas
Electric distribution boards or terminal boxes are required for connecting and branching cables. For terminal boxes in explosion-hazardous areas, special measures must be taken to prevent unacceptably high temperatures and the possibility of sparks or electrical arcing within the enclosure.

- Only enclosure materials and component materials adhering to the temperature range required for Ex devices are used.
- Enclosures and cable glands correspond to the protection class **IP 65** - (minimum specified ingress protection is IP 54), and are therefore well protected from dust and liquids.
- All lid screws are captive and are located outside the working space. Lid screws and spring rings are stainless steel and type tags are made of polyester (self-adhesive, no corrosion problems).
- All fittings (terminals, cable glands, etc.) supplied by the manufacturer must be in according to the ATEX rule 94/9/EG.
- The surface resistance of black polyester Enclosures is decreased to < 10^9 ohm in order to prevent damaging electrostatic discharge. As an enclosure material, polyester is especially resistant to chemically aggressive ambient conditions.