



CORROSION CONTROL

Technical Datasheet

BAC JUNCTION BOX

The BAC range of junction boxes have been developed to facilitate existing site installations offering total flexibility in design and installation.



Features:

- EEx Protection in accordance with ATEX II 2 G D EEx ia IIC T6 – if required
- IP 66 Ingress Protection

Dimensions of Box:

- Standard sizes range from 120 x 120 x 80 mm to 980 x 740 x 205 mm

Ambient Temp.	-50°C to +55°C for T6 & T5
Material	Stainless Steel; or Mild Steel pre-galvanised and painted. RAL 7015. 1000 hour salt-spray test Surface treatment: ultrasonic degreased and passivated
Gasket Material	“One piece” polyurethane gasket. Operating temp -80°C to +100°C
Door Fixings	Hinged removable door with captive fastening screws
Box Mounting	4 x external lugs, 11mm diameter holes/slots Galvanised steel support frame
Internal Mounting	4 x stand off 9 mm dia. pillars 25 mm high tapped M6 for mounting plate
Earth Studs	M10 internal & external brass earth stud assembly with an M6 stud on door
Gland Plates	2mm thick, with 1 gland plate
Impact Strength	7 Joules
Name plates	Stainless Steel / Traffolyte identification plates

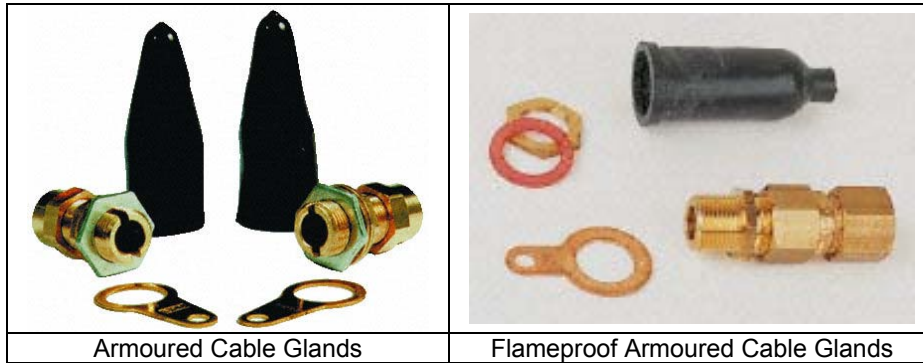


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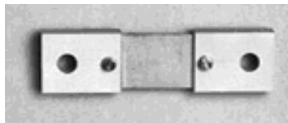
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Internal Components:

- Brass cable glands either standard or for armoured cable as appropriate. Flameproof glands can be supplied as an option.



- Back plate, Traffolyte labels and terminals to complete
- Galvanised steel mounting frame or conduit support. Optional gland plate conduit support tube for cable entry instead of glands.
- BAC standard range of Brass ended Shunts to BS89/IEC51 class 1 or class 0.5 shunts can be current rated from 5A to 10000A with 50mV to 300mV output.



- BAC resistors are close wound on a sturdy ceramic former using nickel/copper wire to BS 115. The stability is obtained by using oxidised wire enabling close winding which prevents shorted turns and turn movement on the former.

All the terminals used are nickel silver bands with nickel plated brass screws and nuts and have the facility for either a solder or a screw type extra connection.

