



Aluminium enclosures

Features

- Temperature-resistant
- Chemical-resistant against acetone and ammoniac; against benzene, benzole, heating oil
- Seawater-resistant with special varnishing and priming on request

Description

Aluminium enclosures have proven to be an excellent solution for encapsulating and shielding components and modules in electronic and pneumatic engineering.

The base and lid of the enclosure come with earthing screws for the connection of the protective conductor. Fixing holes outside the sealed space.

Explosion protection

Ex protection type (EN 60079-0)

ATEX II 2G Ex e IIC Gb
 II 2D Ex tb IIIC Db IP 66

Certification

PTB 08 ATEX 1063 U

IECEx Ex e IIC Gb
Ex tb IIIC Db IP 66

Certification

IECEx PTB 11.0032U

Other approvals and certificates, see www.bartec-group.com

Technical data

Material

aluminium, die or shell casting, (metal mould)
ALSi 12, Mg < 6 thread -%

Colour

RAL 7001, silver grey, optional unpainted special varnish and seawater-resistant varnish on request

Lid screws

(other models on request)
stainless steel, captive, cross-head (+ -)

Standard seals

CR -28 °C to +95 °C
optional
silicone -55 °C to +100 °C

Mechanical resistance nach EN 60079-0
impact energy 7 Nm

Protection class EN 60529/IEC 60529
IP 66

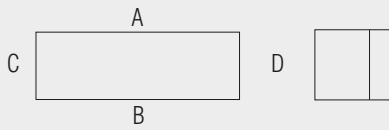
Selection chart IP enclosure

Aluminium grey, IP 66

External dimensions in mm Length (L) x Width (B) x Height (H)	Order no.
58 x 64 x 36	07-5190-0580/6436
98 x 64 x 36	07-5190-0980/6436
150 x 64 x 36	07-5190-1500/6436
75 x 80 x 57	07-5190-0750/8057
125 x 80 x 57	07-5190-1250/8057
175 x 80 x 57	07-5190-1750/8057
250 x 80 x 57	07-5190-2500/8057
122 x 120 x 80	07-5190-1221/2080
122 x 120 x 90	07-5190-1221/2090
360 x 120 x 80	07-5190-3601/2080
220 x 120 x 80	07-5190-2201/2080
220 x 120 x 90	07-5190-2201/2090
160 x 160 x 90	07-5190-1601/6090
260 x 160 x 90	07-5190-2601/6090
360 x 160 x 90	07-5190-3601/6090
560 x 160 x 90	07-5190-5601/6090
200 x 230 x 110	07-5190-2002/3011
280 x 230 x 110	07-5190-2802/3011
330 x 230 x 110	07-5190-3302/3011
400 x 230 x 110	07-5190-4002/3011
600 x 230 x 110	07-5190-6002/3011
400 x 310 x 110	07-5190-4003/3011
600 x 310 x 110	07-5190-6003/3011
200 x 230 x 180	07-5190-2002/3018
330 x 230 x 180	07-5190-3302/3018
400 x 310 x 180	07-5190-4003/1018
600 x 310 x 180	07-5190-6003/1018



Dimensions (mm)



The dimensions on this page apply to the following aluminium enclosure/distribution boxes:

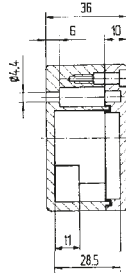
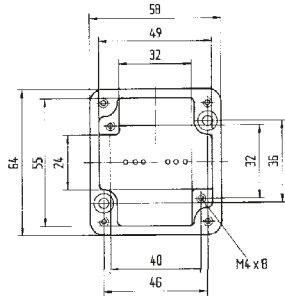
IP enclosure 07-5190-.../...

IP distribution box 07-5172-.../...

Ex enclosure 07-5180-.../...

Ex e distribution box 07-5101-.../...

Ex i distribution box 07-5102-.../...



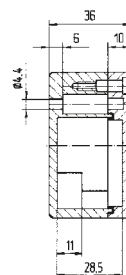
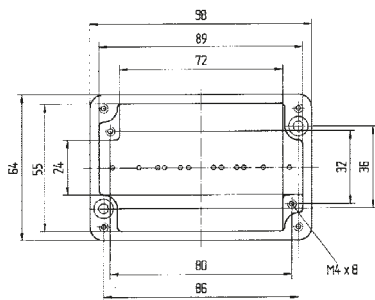
Technical data

External dimensions: 58 x 64 x 36 mm

Weight: 150 g

Material: aluminium, grey

Article no.: 07-51 -0580/6436

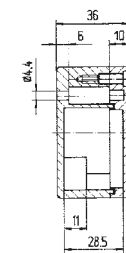
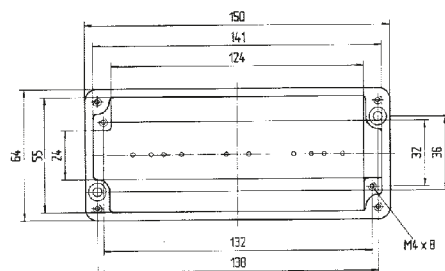


External dimensions: 98 x 64 x 36 mm

Weight: 250 g

Material: aluminium, grey

Article no.: 07-51 -0980/6436

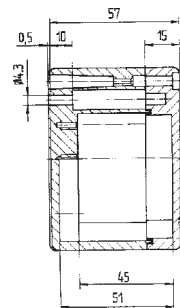
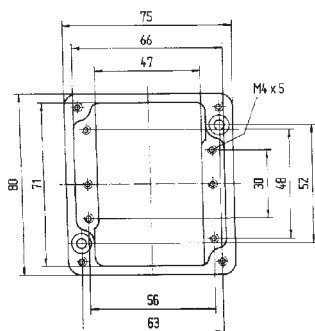


External dimensions: 150 x 64 x 36 mm

Weight: 320 g

Material: aluminium, grey

Article no.: 07-51 -1500/6436



External dimensions: 75 x 80 x 57 mm

Weight: 300 g

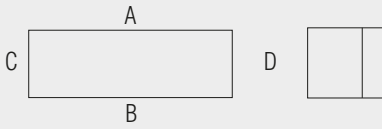
Material: aluminium, grey

Article no.: 07-51 -0750/8057



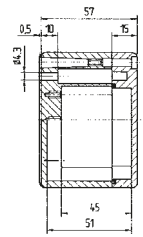
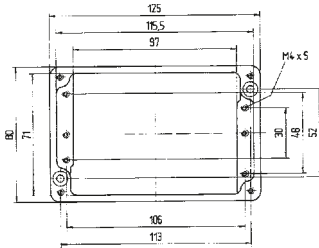
Dimensions (mm)

The dimensions on this page apply to the following aluminium enclosure/distribution boxes:



IP enclosure 07-5190-.../...
Ex enclosure 07-5180-.../...

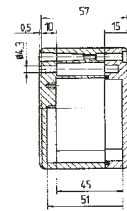
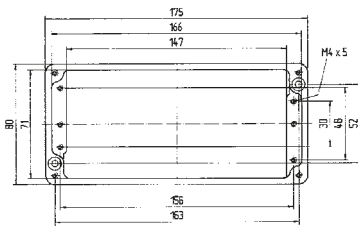
IP distribution box 07-5172-.../...
Ex e distribution box 07-5101-.../...
Ex i distribution box 07-5102-.../...



Technical data

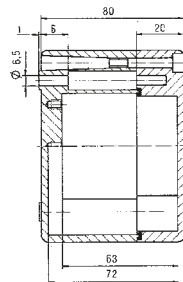
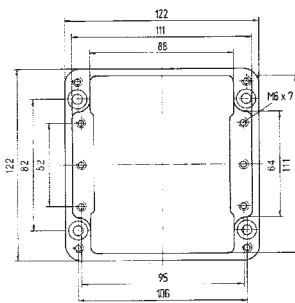
External dimensions: 125 x 80 x 57 mm

Weight: 440 g
Material: aluminium, grey
Article no.: 07-51 [] -1250/8057



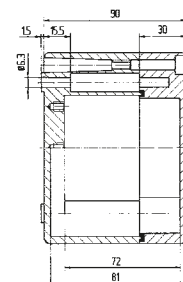
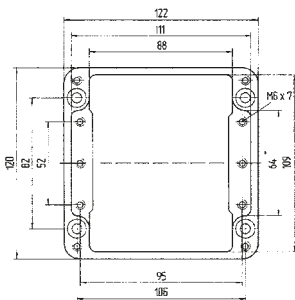
External dimensions: 175 x 80 x 57 mm

Weight: 510 g
Material: aluminium, grey
Article no.: 07-51 [] -1750/8057



External dimensions: 122 x 122 x 80 mm

Weight: 940 g
Material: aluminium, grey
Article no.: 07-51 [] -1221/2080

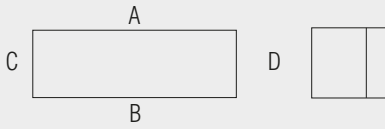


External dimensions: 122 x 120 x 90 mm

Weight: 880 g
Material: aluminium, grey
Article no.: 07-51 [] -1221/2090



Dimensions (mm)



The dimensions on this page apply to the following aluminium enclosure/distribution boxes:

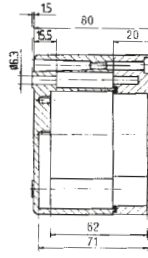
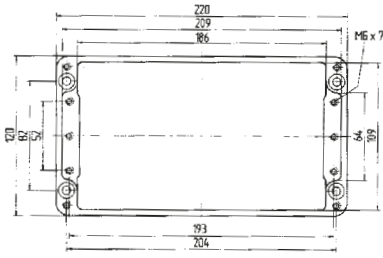
IP enclosure 07-51**90**-.../...

IP distribution box 07-51**72**-.../...

Ex enclosure 07-51**80**-.../...

Ex e distribution box 07-51**01**-.../...

Ex i distribution box 07-51**02**-.../...



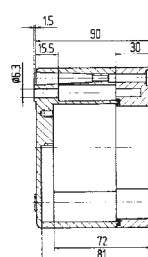
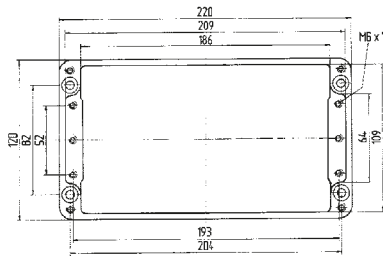
Technical data

External dimensions: 220 x 120 x 80 mm

Weight: 1390 g

Material: aluminium, grey

Article no.: 07-51 -2201/2080

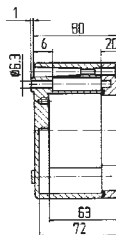
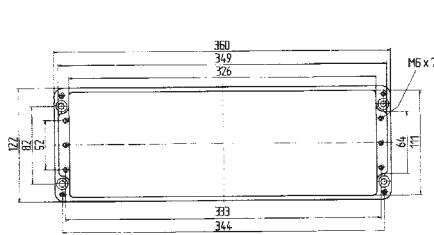


External dimensions: 220 x 120 x 90 mm

Weight: 1350 g

Material: aluminium, grey

Article no.: 07-51 -2201/2090

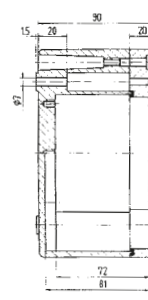
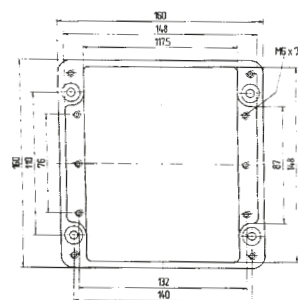


External dimensions: 360 x 120 x 80 mm

Weight: 1950 g

Material: aluminium, grey

Article no.: 07-51 -3601/2080



External dimensions: 160 x 160 x 90 mm

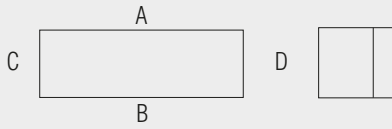
Weight: 1470 g

Material: aluminium, grey

Article no.: 07-51 -1601/6090



Dimensions (mm)



The dimensions on this page apply to the following aluminium enclosure/distribution boxes:

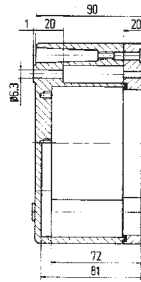
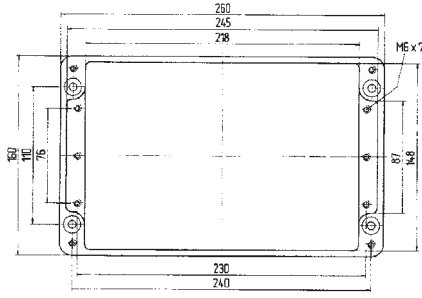
IP enclosure 07-5190-.../...

IP distribution box 07-5172-.../...

Ex enclosure 07-5180-.../...

Ex e distribution box 07-5101-.../...

Ex i distribution box 07-5102-.../...



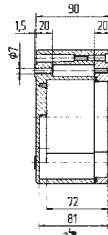
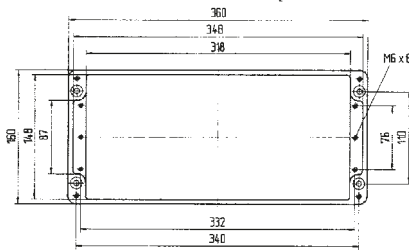
➔ Technical data

External dimensions: 260 x 160 x 90 mm

Weight: 2100 g

Material: aluminium, grey

Article no.: 07-51 -2601/6090

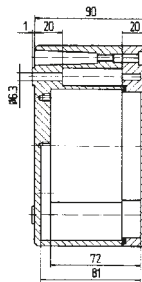
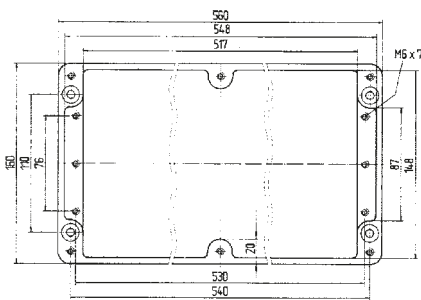


External dimensions: 360 x 160 x 90 mm

Weight: 2700 g

Material: aluminium, grey

Article no.: 07-51 -3601/6090

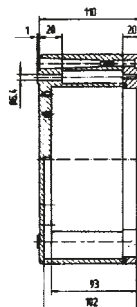
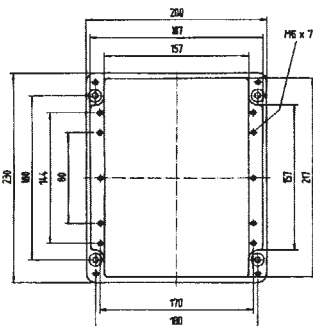


External dimensions: 560 x 160 x 90 mm

Weight: 3600 g

Material: aluminium, grey

Article no.: 07-51 -5601/6090



External dimensions: 200 x 230 x 110 mm

Weight: 2450 g

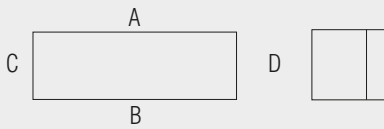
Material: aluminium, grey

Article no.: 07-51 -2002/3011



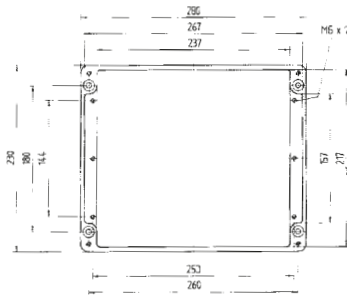
Dimensions (mm)

The dimensions on this page apply to the following aluminium enclosure/distribution boxes:



IP enclosure 07-5190-.../...
Ex enclosure 07-5180-.../...

IP distribution box 07-5172-.../...
Ex e distribution box 07-5101-.../...
Ex i distribution box 07-5102-.../...



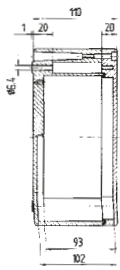
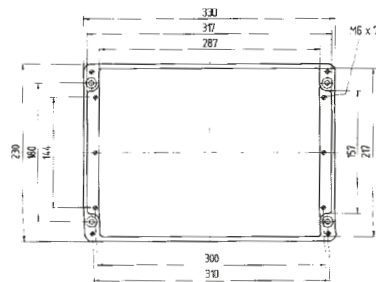
Technical data

External dimensions: 280 x 230 x 110 mm

Weight: 2990 g

Material: aluminium, grey

Article no.: 07-51 -2802/3011

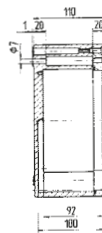
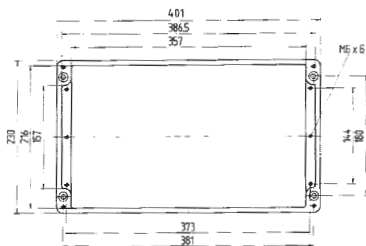


External dimensions: 330 x 230 x 110 mm

Weight: 3400 g

Material: aluminium, grey

Article no.: 07-51 -3302/3011

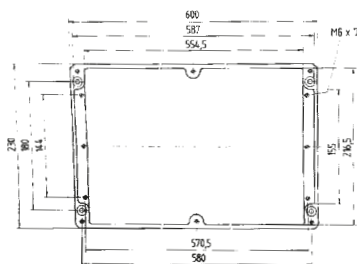


External dimensions: 400 x 230 x 110 mm

Weight: 4600 g

Material: aluminium, grey

Article no.: 07-51 -4002/3011



External dimensions: 600 x 230 x 110 mm

Weight: 6800 g

Material: aluminium, grey

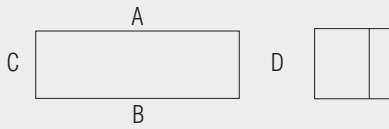
Article no.: 07-51 -6002/3011

All dimensions are approximate measurements and subject to technical changes.



Dimensions (mm)

The dimensions on this page apply to the following aluminium enclosure/distribution boxes:



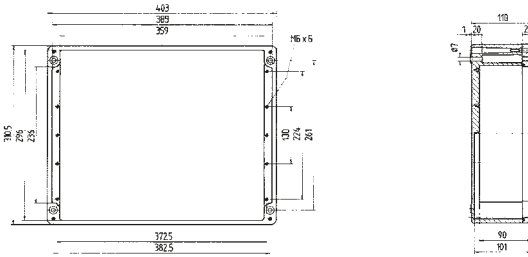
IP enclosure 07-5190-.../...
Ex enclosure 07-5180-.../...

IP distribution box 07-5172-.../...
Ex e distribution box 07-5101-.../...
Ex i distribution box 07-5102-.../...

Technical data

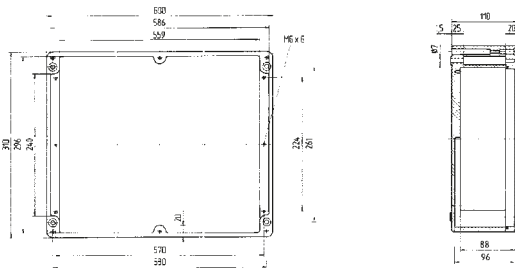
External dimensions: 400 x 310 x 110 mm

Weight: 6600 g
Material: aluminium, grey
Article no.: 07-51 -4003/1011



External dimensions: 600 x 310 x 110 mm

Weight: 9400 g
Material: aluminium, grey
Article no.: 07-51 -6003/1011



Aluminium enclosure for NPT thread on request (insulation thickness). All dimensions are approximate measurements and subject to terminal changes.