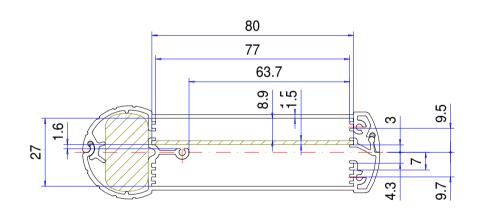
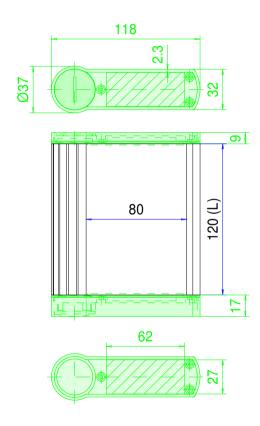
Enclosure series mobilCASE

Type: P 080-2

Material-No.: 251.080.120, Length (L) of profile variable







Al Mg Si 0.5 (DIN 17615)
GD-Zn Al 4 Cu 1 (DIN EN 12844)
6x stainless steel 1.4567 (V2A), captive
2x Chloroprene (CR), light grey
2x TPE moulded gasket, siliconefree, black



Ingress protection	IP54 EN 60529
Weight	Profile 1,716 kg/m
Coating profile	Powder coating silver metallic
Coating lid	Powder coating RAL 9005, black
Tolerance	GTA 13/5 DIN 1688-4 (outside dimensions ±0,5mm)



251.080.120 mobilCASE 2-Part Profile P 80-2-120



Product overview	
Material	Aluminum
Protection Class	IP 54/EN 60529
Color	Silver 1
Length (L)	4.72 inch
Width (W)	4.65 inch



mobilCASE

THE MOBILE, PROFILE CONTROL ENCLOSURE

IP 54 / IP 65

The key product features:

- Enclosure material: aluminium profile
- · Lid material: diecast zinc
- Enclosure surface: Profile silver-metallic, Lid RAL 9005
- Available as 1-part and 2-part profile
- Lid screws stainless steel 1.4567
- 1-part profile for the insertion of circuit boards
- 2-part profile for the easy assembly of short-stroke keyboards or displays
- Integrated recess for a membrane keypad or front membrane
- Ingress protection: 1-piece profile IP 65; 2-piece profile IP 54
- Lid gasket: TPE molded gasket, silicone-free, Gasket, 2-part profile: O-ring gasket (CR)

mobilCASE is a modern and ergonomic range of extruded enclosures which is ideal for handheld electronic instruments and mobile machine/robotic controllers. Three standard widths are available to suit a wide range of applications. The enclosures can be supplied in custom lengths on demand. Each enclosure consist of a case profile and two end covers which are supplied with TPE molded sealing gaskets and a screw kit. There are various types of end cover kits and accessories to suit different uses and installation set-ups. The enclosures are specified from individual kits.

HOW TO SPECIFY YOUR mobilCASE ENCLOSURES

1). Enclosure Profile

Select the size and type of enclosure profile you need from the table below (click on part no.). The profiles are specified in PCB widths: 80 mm (3.15"), 100 mm (3.94"), 130 mm (5.12") (Dim. P). Types: 1-Part (IP 65) single profile for slide-in PCBs or 2-Part (IP 54) open profile which allows for keypads, displays etc. to pass through the top (when machined).

2). End Cover Kits

Select a suitable end cover kit from the accessories section. All cover kits include two TPE molded seals and a screw kit. Options:

Set DF - two flat end covers Set DK - one flat and one deep end cover with M16 screw plug (for battery compartment access) Set ABF - adjustable tilt stand with two flat end covers Set ABK - adjustable tilt stand with one flat and one deep end cover with M16 screw plug Set WH - wall/machine pivot mount bracket with two flat end covers Set PG - two rotating end covers for connecting two units together.3). Accessories Select any optional accessories:

Set PK - shoulder strap with two protection caps for carrying the unit Set CH - case holder for storing the unit on a wall or machine Set AH - battery holders for 2 or 4 1.5V AA cells Set KV - M16 cable gland adaptor kit (replaces screw plug on deep end covers). **CONFIGURATOR**You can also specify these enclosures in custom sizes using the mobilCASE configurator.

CUSTOMIZED VERSIONS

We can supply mobilCASE enclosures fully machined and finished to your requirements.

Enclosure profiles

3 standard PCB widths: 80 mm (3.15"), 100 mm (3.94"), 130 mm (5.12") in 2 versions



Additional info

Integrated recess in the profiles for a membrane keypad or product label

Die-cast flat end covers or deep end covers with collar to protect plug connectors

Optional: Adapter with M16 cable gland for external power supply Optional: Case holder for storing the unit on the wall or machine

Optional: Combination kit for connecting two profiles (also with different sections)

Optional: Shoulder strap with protective caps for portable instruments

Optional: Adjustable tilt stand kits including end covers

Optional: Battery holders for 2 or 4 AA batteries

Material/color

Extruded aluminum profile: AL Mg Si 0.5 / DIN 17615

Powder coating, silver metallic

Optional: Anodized

End cover (2 variants): Die-cast zinc alloy GD-Zn Al 4 Cu 1 / DIN EN 12844

Powder coating, RAL 9005, deep black

Optional: Special colors

Fastening

Optional: Clip holder for setting down devices at the wall or machine

Optional: Articulated wall/desk fixation including stand

Internal mounting

For circuit board widths 80 mm/100 mm (Eurocard)/130 mm

Ingress protection

Profile 1-part IP 65 / EN 60529 Profile 2-part IP 54 / EN 60529 Set PG IP 54 / EN 60529

Gasket

Lid: TPE molded gasket, silicone-free Profile: Chloroprene O-ring gasket (CR)

Lid screws

Stainless steel 1.4567

Customizing

Learn more about our full customizing service for installation-ready enclosures

Full-Service-Products

Customization according to your wishes.





Everything begins with individual advice. We'll be pleased to support you with your project and find solutions for every requirement. Customer-specific solutions are our speciality.



Test our products with your internal mounting. We'll be pleased to send you a sample enclosure for inspection with no strings attached.



We'll manufacture every enclosure for you according to your exact specifications - whether they involve precise drilling or large tolerance.



Thanks to our modern CNC production, we can quickly and efficiently mill custom-fit cut-outs and contours to match your exact specifications.



Our services also include engraving your logo and other elements, which we can of course perform in any colour you desire.



We can process stainless steel enclosures and plates quickly and reliably according to your individual requirements thanks to our in-house lasering centre.



We can powder coat enclosures, command enclosures and suspension systems in any RAL colour you desire. Custom colours are of course also possible.



We can also paint all our enclosures in any RAL colour you desire. The application of primer and special colour structures are possible, as well.



If desired, we can apply your logo and lettering or other markings using serigraph printing.



Digital printing is particularly worthwhile for low-volume orders and for realising complex parterns or images.



We offer our conFORM low-price standard EMC enclosure to protect your internal mounting against electromagnetic radiation. On request, we can also supply an EMC-compliant version of any other ROLEC enclosure.



We are able to offer the right made-tomeasure display for all our enclosures - in varying sizes and degrees of robustness depending on the application.



ROLEC's portfolio also includes matching front plates, mounting plate, supporting rails and terminal blocks as well as a range of cable glands, blanking plugs etc.



Would you like to have all your components supplied already assembled?
No problem. Our assembly team will be pleased to perform all assembly work on your behalf.

If you have any requirements for services not listed here, please ask us. Customer-specific solutions are our speciality. We also are keen to take on unusual tasks.

We will help you with those challenges that many others

Our Service

would give up on.