

**250.100.160**  
**mobilCASE 1-Part Profile P 100-1-160**



**technical data**

Material	Aluminum
Protection class	IP 65 EN 60529
Colour	Profile surface Silver metallic SLM
Certifications	GOST
Length	6.299"   160 mm
Width	5.433"   138 mm
Country of manufacture	Germany
Customs tariff number	76042100

## **mobilCASE**

### MODERN AND ERGONOMIC EXTRUDED ALUMINUM HANDHELD ENCLOSURES

**IP 54 / IP 65** 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, temperature resistance: -30°C to +100°C

Profile: Chloroprene O-ring gasket (CR), temperature resistance: -30°C to +90°C

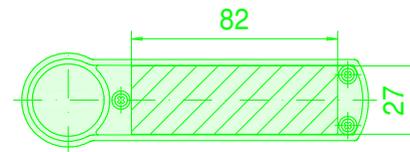
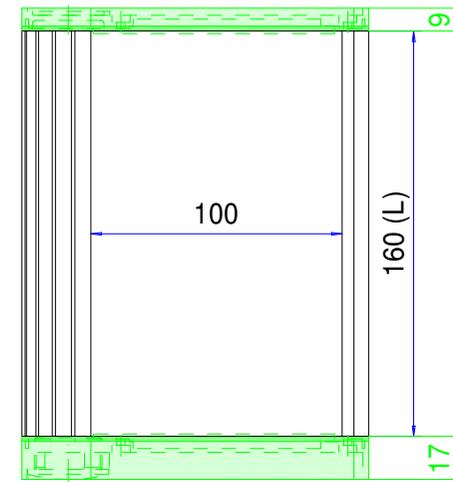
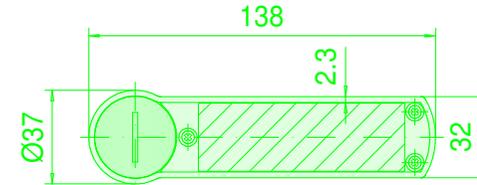
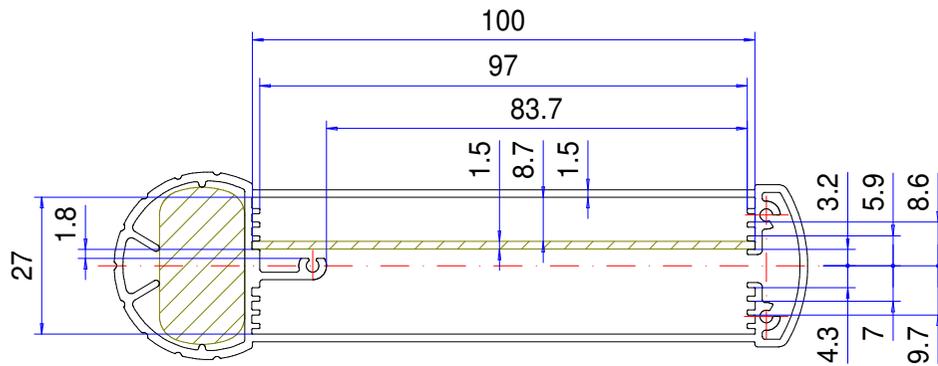
Lid screws  
Stainless steel 1.4567

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

# Enclosure series mobilCASE

Type: P 100-1

Material-No.: 250.100.160, Length (L) of profile variable



Enclosure material	Al Mg Si 0.5 (DIN 17615)		Ingress protection	IP65 EN 60529
Lid material	GD-Zn Al 4 Cu 1 (DIN EN 12844)		Weight	Profile 1,725 kg/m
Lid screws	6x stainless steel 1.4567 (V2A), captive		Coating profile	Powder coating silver metallic
Gasket lid	2x TPE moulded gasket, siliconefree, black		Coating lid	Powder coating RAL 9005, black
			Tolerance	GTA 13/5 DIN 1688-4 (outside dimensions ±0,5mm)