SYNERGY

Harmonious blend of materials

The new SYNERGY combines the advantages of plastic and aluminum in one single enclosure concept:

- a modern range of enclosures in 4 basic geometrical shapes – square, rectangular, circular and oval *** iF product design award ***
- 36 enclosure sizes, with plenty of room for the electronics and operating elements
- screw connection with stainless steel screws and Torx drive
- color combination: Aluminum, anodized in silver / plastic parts black
- plenty of space for interfaces, no inclined surfaces, easy assembly
- recessed surface in the top part for decor foils or membrane keyboards
- bottom part with opening and screw-down cover: practical for the use of a battery compartment or for access to the interior, e.g. for a memory card or batteries that are mounted directly on the PCB; battery compartment kit, battery clips for mounting on PCBs and button cell holder as accessories
- cable outlet in the bottom part (extra-flat network cable, round cable up to ø 4 mm)
- battery compartment kit, wall suspension element and extender (for increasing the height of the domes) as accessories
- individual enclosure solutions on request

Designer Statement

"The special feature of SYNERGY is its high-quality appearance. Right from the very start, the main focus of development was the quality of the materials aluminum and plastic. The timeless basic geometric shapes, the discreetly contoured and trimmed operating panels, as well as the intelligent installation technology results in enclosures that meet the aesthetic demands of your customers. And since single elements can be individually processed in length, the variety of shapes, dimensions and functional variants has created an enormous spectrum of possibilities: altogether a high-quality business."

Martin Nußberger, polyform Industrie Design
Applications and Examples

- Data systems engineering
- Network technology
- Building services systems
- Safety engineering
- Medical and therapeutic applications
- Measurement and control technology
- IoT/IIoT
- Gateways
- Sensors, optoelectronics

Battery filler for aviation batteries
CD2 traffic light
Electromagnetic impulse therapy with infrared light
Individual room control panels

Measuring system for creating metabolic profiles
Talking Thermostat
UHF RFID reader/writer
Wireless network access point

View Customizing Options

What do you still need for your own very personal product? We can supply enclosures and tuning knobs with all necessary modifications for fitting your electronic components.

Customizing options for Synergy
SYNERGY

Select Versions

**EE163059**
SYNERGY E160
Aluminum AlMgSi 0.5
matt anodized
6.30”x3.15”x1.57”
IP 40

**EE166059**
SYNERGY E160
Aluminum AlMgSi 0.5
matt anodized
6.30”x3.15”x2.76”
IP 40

**EE169059**
SYNERGY E160
Aluminum AlMgSi 0.5
matt anodized
6.30”x3.15”x3.94”
IP 40

**EE183059**
SYNERGY E180
Aluminum AlMgSi 0.5
matt anodized
7.09”x3.54”x1.57”
IP 40

**EE186059**
SYNERGY E180
Aluminum AlMgSi 0.5
matt anodized
7.09”x3.54”x2.76”
IP 40

**EE189059**
SYNERGY E180
Aluminum AlMgSi 0.5
matt anodized
7.09”x3.54”x3.94”
IP 40

**EE203059**
SYNERGY E200
Aluminum AlMgSi 0.5
matt anodized
7.87”x3.94”x1.57”
IP 40

**EE206059**
SYNERGY E200
Aluminum AlMgSi 0.5
matt anodized
7.87”x3.94”x2.76”
IP 40
Accessories: "battery"

A9193033
Polarity reversal protection device, positive terminal AA
ABS (UL 94 HB)
off-white RAL 9002

A9193034
Polarity reversal protection device, positive terminal AAA
ABS (UL 94 HB)
off-white RAL 9002

A9193035
Battery clip, AA
Steel
nickel-plated

A9193036
Battery clip, AAA
Steel
nickel-plated
SYNERGY

Accessory "wall/holder"

- A9305019 Wall suspension elements
  ASA+PC (UL 94 V-0)
  black RAL 9005

- EZ030109 Wall suspension element
  ASA+PC (UL 94 V-0)
  black RAL 9005

Accessory "screws"

- A0305031 Self-tapping screws 0.098" x 0.236" (PZ1)

- A0399T10 Torx T10 screwdriver

- EZ031209 Extender kit
  ASA+PC (UL 94 V-0)
  black RAL 9005

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