

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 \varnothing 0.157")
- 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



SYNERGY

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, etc.



Access control system RFID



Battery filler for aviation batteries



CO2 traffic light



Electromagnetic impulse therapy with infrared light



Individual room control panels



Measuring system for creating metabolic profiles



Talking Thermostat



UHF RFID reader/writer



Ventilation system control



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



Machining



Printing



Laser marking



Decor foils



RFI/EMI shielding



Installation / Assembly
of accessories

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



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IP 40



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



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IP 40



ER103059
SYNERGY R100
Aluminum AlMgSi 0.5
matt anodized
ø3.94"x1.57"
IP 40



ER106059
SYNERGY R100
Aluminum AlMgSi 0.5
matt anodized
ø3.94"x2.76"
IP 40



ER109059
SYNERGY R100
Aluminum AlMgSi 0.5
matt anodized
ø3.94"x3.94"
IP 40



ER123059
SYNERGY R120
Aluminum AlMgSi 0.5
matt anodized
ø4.72"x1.57"
IP 40



ER126059
SYNERGY R120
Aluminum AlMgSi 0.5
matt anodized
ø4.72"x2.76"
IP 40



ER129059
SYNERGY R120
Aluminum AlMgSi 0.5
matt anodized
ø4.72"x3.94"
IP 40

SYNERGY



ER143059
SYNERGY R140
Aluminum AlMgSi 0.5
matt anodized
ø5.51"x1.57"
IP 40



ER146059
SYNERGY R140
Aluminum AlMgSi 0.5
matt anodized
ø5.51"x2.76"
IP 40



ER149059
SYNERGY R140
Aluminum AlMgSi 0.5
matt anodized
ø5.51"x3.94"
IP 40



ES103059
SYNERGY S100
Aluminum AlMgSi 0.5
matt anodized
3.94"x3.94"x1.57"
IP 40



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ES123059
SYNERGY S120
Aluminum AlMgSi 0.5
matt anodized
4.72"x4.72"x1.57"
IP 40



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ES143059
SYNERGY S140
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matt anodized
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IP 40



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SYNERGY S140
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ES149059
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Accessory "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



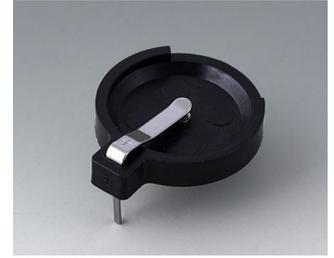
A9193037
 Button cell holder, Ø 0.787"



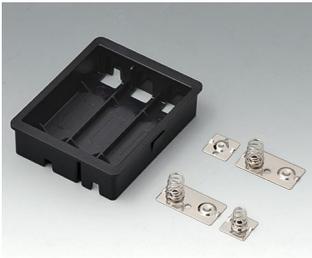
A9193038
 Button cell holder, Ø 0.906"



A9193039
 Button cell holder, Ø 0.472"



A9193040
 Button cell holder, Ø 0.630"



EZ040609
 Battery compartment, 3 x AA
 ASA+PC (UL 94 V-0)
 black RAL 9005



EZ050609
 Battery compartment, 4 x AA
 ASA+PC (UL 94 V-0)
 black RAL 9005



EZ060609
 Battery compartment, 2 x AA
 ASA+PC (UL 94 V-0)
 black RAL 9005

Accessory "wall/holder"



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)



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

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