SYNERGY

OKW
GEHÄUSE
SYSTEME

Harmonious blend of materials

The new SYNERGY combines the advantages of plastic and aluminium 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
- colour combination: Aluminium, anodised 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 aluminium 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

Customising 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.
Customising options for Synergy

SYNERGY

Machining

Printing

Laser marking

Decor foils

EMC shielding

Installation / Assembly of accessories

Select Versions

EE163059
SYNERGY E160
Aluminium AlMgSi 0.5
matt anodised
160x80x40mm
IP 40

EE166059
SYNERGY E160
Aluminium AlMgSi 0.5
matt anodised
160x80x70mm
IP 40

EE169059
SYNERGY E160
Aluminium AlMgSi 0.5
matt anodised
160x80x100mm
IP 40

EE183059
SYNERGY E180
Aluminium AlMgSi 0.5
matt anodised
180x90x40mm
IP 40

EE186059
SYNERGY E180
Aluminium AlMgSi 0.5
matt anodised
180x90x70mm
IP 40

EE189059
SYNERGY E180
Aluminium AlMgSi 0.5
matt anodised
180x90x100mm
IP 40

EE203059
SYNERGY E200
Aluminium AlMgSi 0.5
matt anodised
200x100x40mm
IP 40

EE206059
SYNERGY E200
Aluminium AlMgSi 0.5
matt anodised
200x100x70mm
IP 40

SYNERGY

EE209059
SYNERGY E200
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matt anodised
200x100x100mm
IP 40

EO163059
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EO209059
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matt anodised
200x100x100mm
IP 40

ER103059
SYNERGY R100
Aluminium AlMgSi 0.5
matt anodised
ø100x40mm
IP 40

ER106059
SYNERGY R100
Aluminium AlMgSi 0.5
matt anodised
ø100x70mm
IP 40

ER109059
SYNERGY R100
Aluminium AlMgSi 0.5
matt anodised
ø100x100mm
IP 40

ER123059
SYNERGY R120
Aluminium AlMgSi 0.5
matt anodised
ø120x40mm
IP 40

ER126059
SYNERGY R120
Aluminium AlMgSi 0.5
matt anodised
ø120x70mm
IP 40

ER129059
SYNERGY R120
Aluminium AlMgSi 0.5
matt anodised
ø120x100mm
IP 40

SYNERGY

ER143059
SYNERGY R140
Aluminium AlMgSi 0.5
matt anodised
ø140x40mm
IP 40

ER146059
SYNERGY R140
Aluminium AlMgSi 0.5
matt anodised
ø140x70mm
IP 40

ER149059
SYNERGY R140
Aluminium AlMgSi 0.5
matt anodised
ø140x100mm
IP 40

ES103059
SYNERGY S100
Aluminium AlMgSi 0.5
matt anodised
100x100x40mm
IP 40

ES106059
SYNERGY S100
Aluminium AlMgSi 0.5
matt anodised
100x100x70mm
IP 40

ES109059
SYNERGY S100
Aluminium AlMgSi 0.5
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ES123059
SYNERGY S120
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ES143059
SYNERGY S140
Aluminium AlMgSi 0.5
matt anodised
140x140x40mm
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SYNERGY S140
Aluminium AlMgSi 0.5
matt anodised
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ES149059
SYNERGY S140
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matt anodised
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IP 40

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
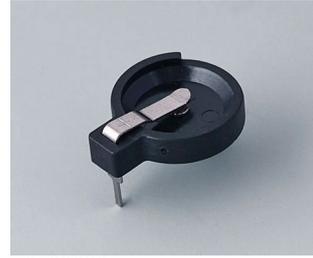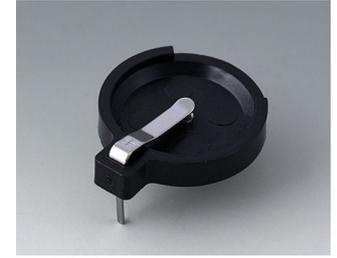Battery clip, AAA
Steel
nickel-plated

SYNERGY

A9193037
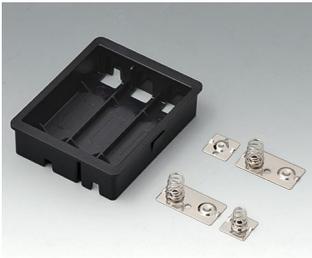Button cell holder, Ø 20 mm

A9193038
Button cell holder, Ø 23 mm

A9193039
Button cell holder, Ø 12 mm

A9193040
Button cell holder, Ø 16 mm

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 2.5 x 6 mm
(PZ1)

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