SYNERGY

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

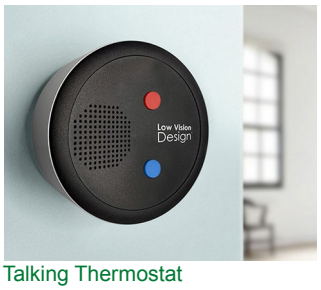


Individual room control panels


Industrial embedded system



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



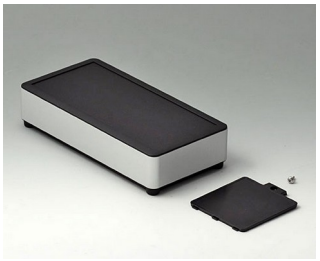
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SYNERGY E160
Aluminium AlMgSi 0.5
matt anodised
160x80x40mm
IP 40



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



EE169059
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Aluminium AlMgSi 0.5
matt anodised
160x80x100mm
IP 40



EE183059
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SYNERGY R100
Aluminium AlMgSi 0.5
matt anodised
ø100x40mm
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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
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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
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Aluminium AlMgSi 0.5
matt anodised
ø140x100mm
IP 40



ES103059
SYNERGY S100
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100x100x40mm
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140x140x40mm
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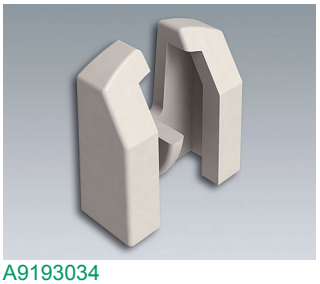


ES149059
SYNERGY S140
Aluminium AlMgSi 0.5
matt anodised
140x140x100mm
IP 40

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



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

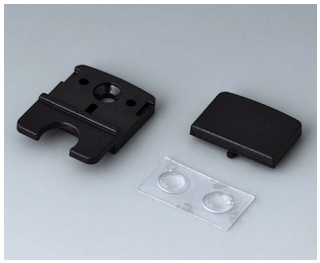


EZ050609
Battery compartment, 4 x AA
ASA+PC (UL 94 V-0)
black RAL 9005



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

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