Electronics housings

Product overview 2019/2020

PHŒNIX CONTACT

INSPIRING INNOVATIONS

Electronics housings for DIN rail and field applications

A wide range of options for form, color, and function – this is the central idea behind electronics housing types from Phoenix Contact. Whether on a wall or on a DIN rail, from light gray to sky blue, narrow or wide – you will always find the right housing for your electronics here.
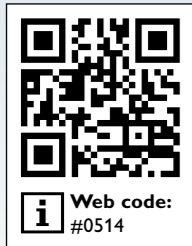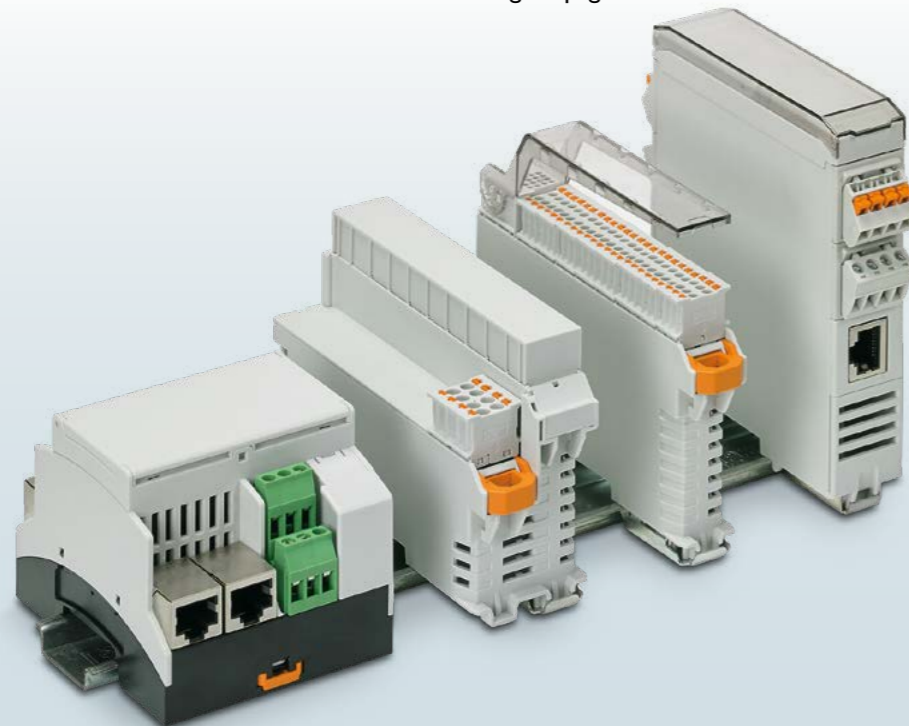
Web code: #0514

DIN rail housings

Fully flexible in shape, color, and function: DIN rail housings are the ideal packaging for your electronics. They protect the installed PCBs, can be mounted easily on DIN rails, and offer perfectly integrated interfaces for transmitting signals, data, and power.
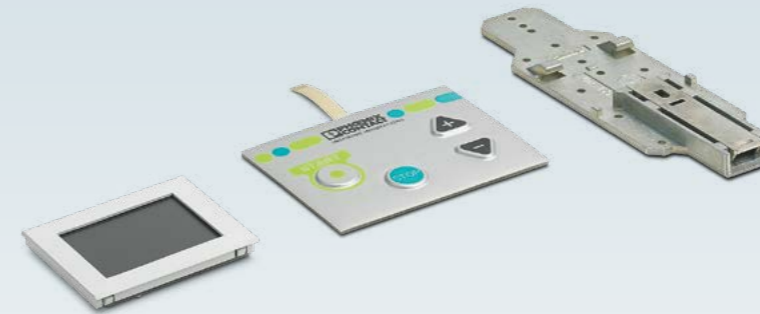
Further information starting on page 6

HMI components and accessories

Highly automated production processes require user-friendly interfaces between the operator and the machine. Displays, membrane keypads, and light guides turn electronics housings into functional display and operator interfaces.

Further information starting on page 40

Field housings

Whether as stationary display units, mobile operator panels, or embedded systems – field housings from Phoenix Contact provide a high degree of protection ideal for countless building, industrial, and process automation applications.

Further information starting on page 28

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Find out more with the web code

For detailed information, use the web codes provided in this brochure. Simply enter # and the four-digit number in the search field on our website.

Web code: #0317

Or use the direct link:
phoenixcontact.net/webcode/#0317

2 PHOENIX CONTACT

PHOENIX CONTACT **3**

# Configure your electronics housing online in just four easy steps

Intelligent combinations, interactive component selection, and real-time visualization in 3D: put together your electronics housings or accessories such as light guides, membrane keypads, or displays in just a few steps with the new online configurator. Simply select the desired housing series and size, add the appropriate connection technology, and you are done.
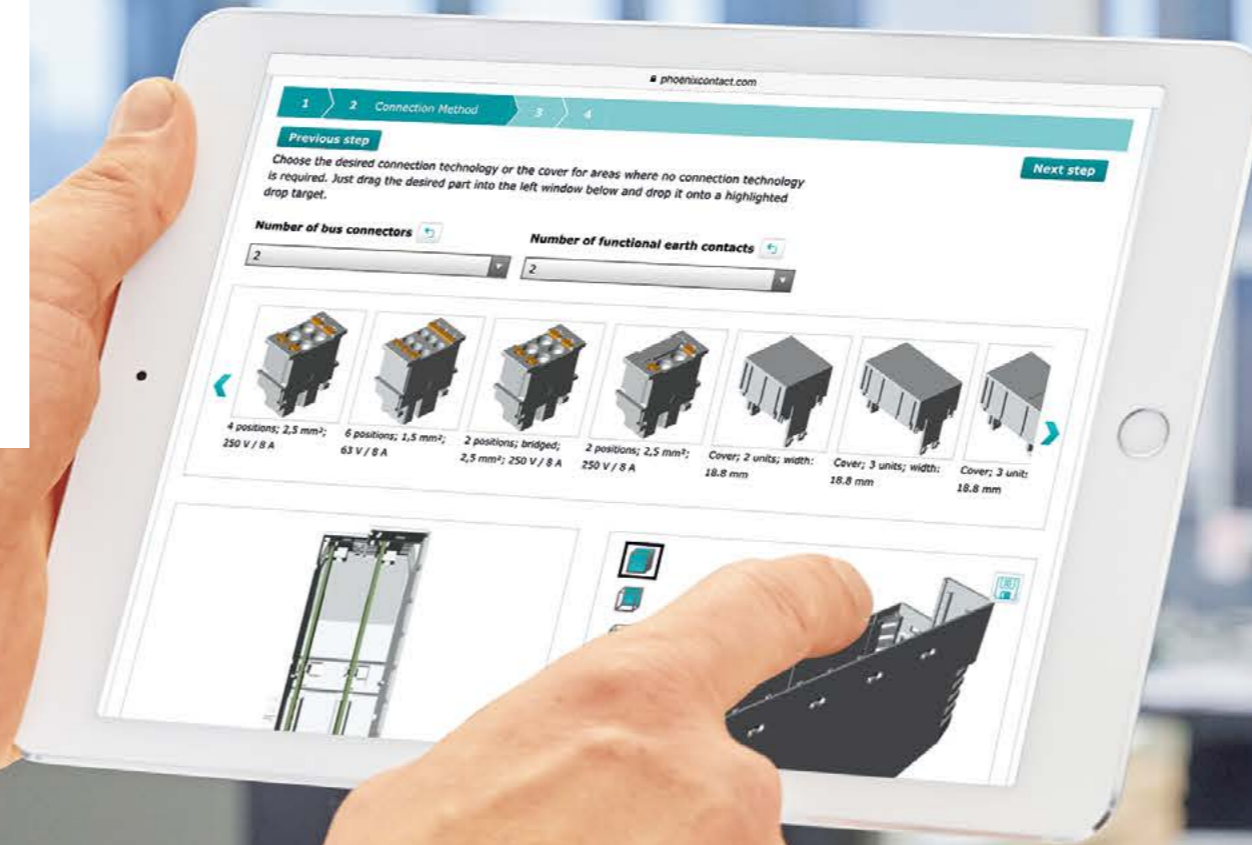
Web code:
#0512

Your advantages

- ☑ Quick and easy configuration of all individual components
- ☑ Convenient operation using drag-and-drop, even on mobile end devices (iOS and Android)
- ☑ Export items as a bill of material or directly transfer them to your shopping cart and proceed to order
- ☑ Real-time visualization in 3D
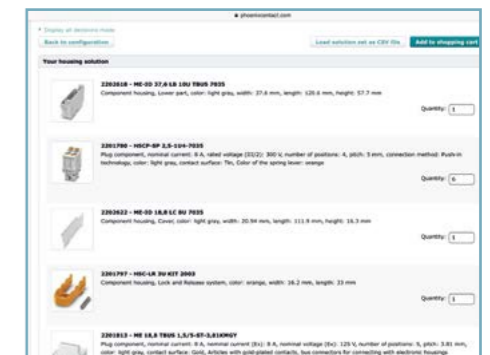- ☑ Download the PCB contours to fit the housing
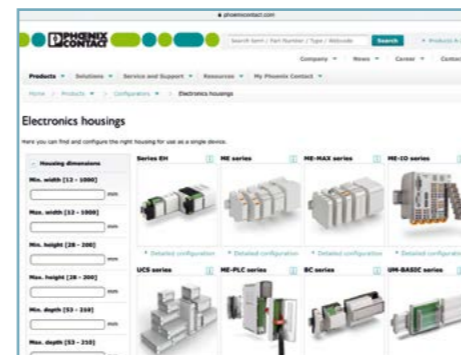
Step 1

Select housing range
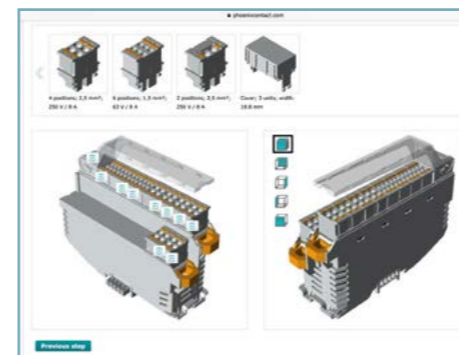
Step 2
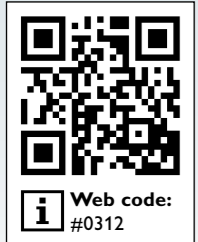
Configure housing parts and connection technology
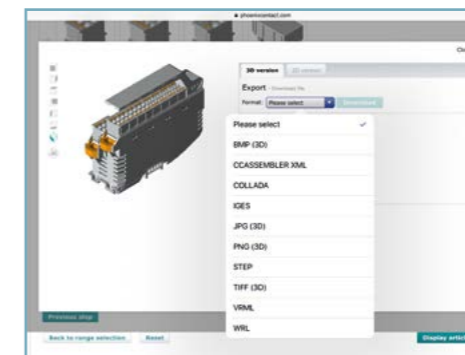
Step 3

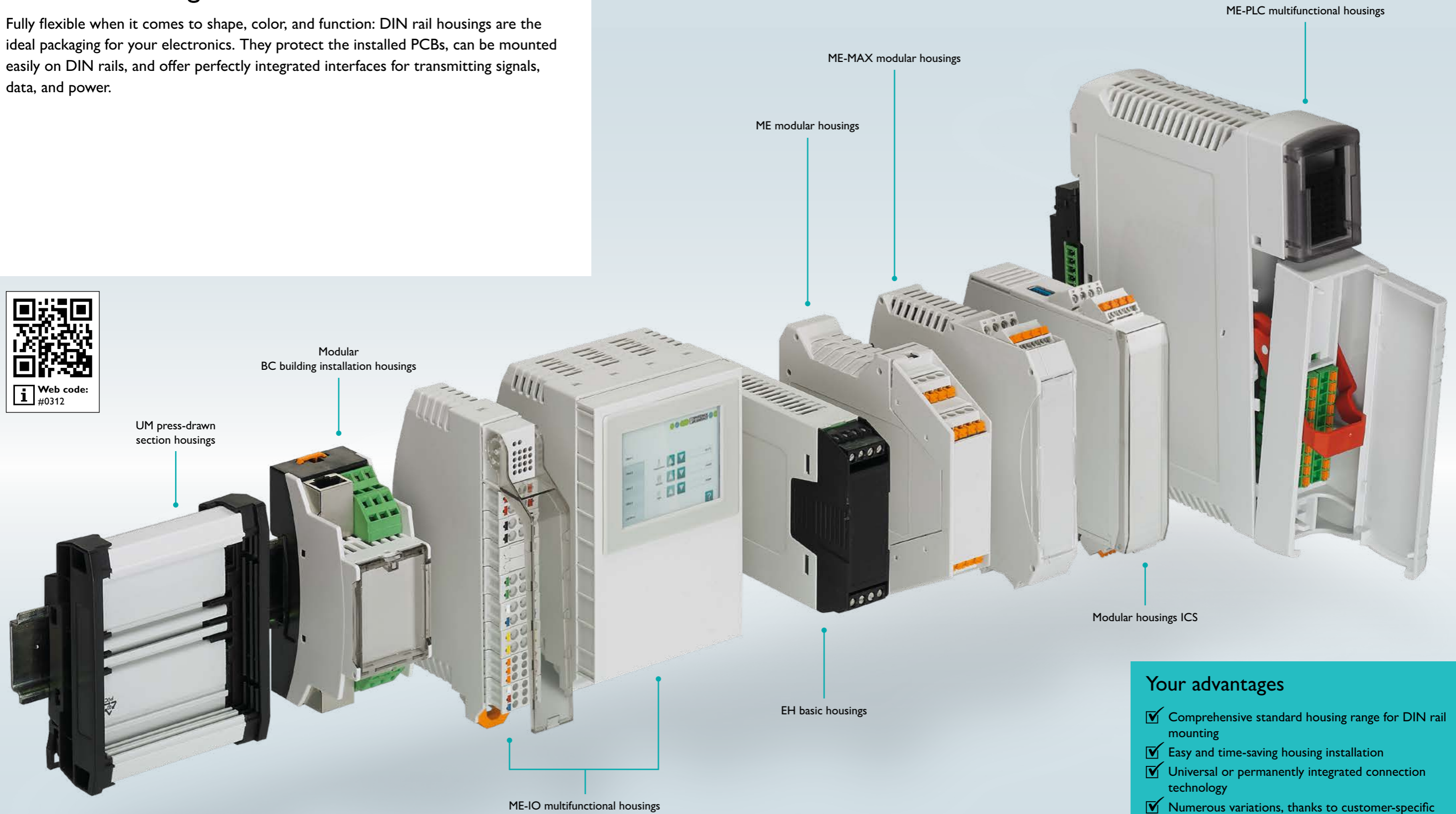Display or download complete module, including PCB shape

Step 4

Display bill of material and order directly

DIN rail housings

Fully flexible when it comes to shape, color, and function: DIN rail housings are the ideal packaging for your electronics. They protect the installed PCBs, can be mounted easily on DIN rails, and offer perfectly integrated interfaces for transmitting signals, data, and power.

Web code:
#0312

UM press-drawn section housings

Modular
BC building installation housings

ME-IO multifunctional housings

EH basic housings

ME modular housings

ME-MAX modular housings

Modular housings ICS

ME-PLC multifunctional housings
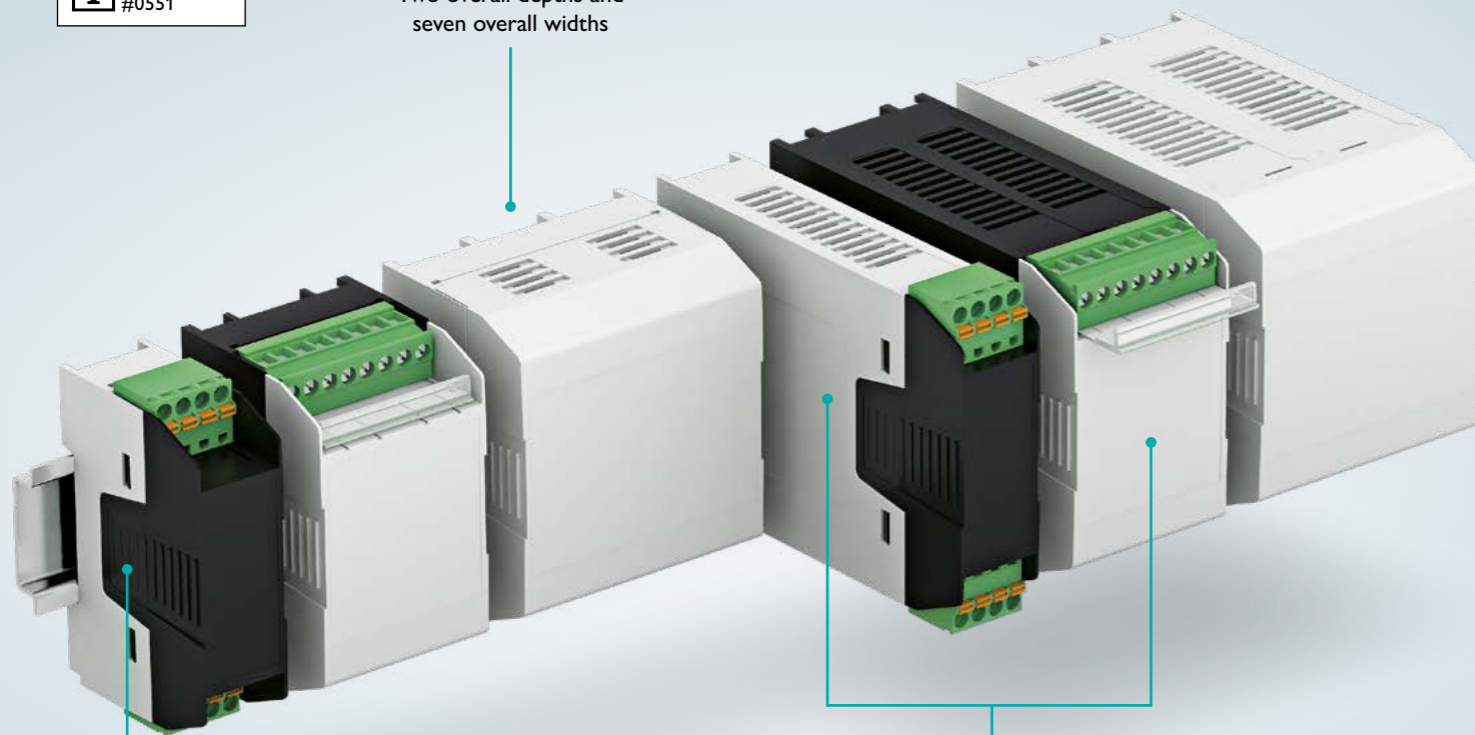
Your advantages

- ☑ Comprehensive standard housing range for DIN rail mounting
- ☑ Easy and time-saving housing installation
- ☑ Universal or permanently integrated connection technology
- ☑ Numerous variations, thanks to customer-specific printing and processing options for the entire product range

EH basic housings
for universal applications

The basic housings of the EH series make it as easy as possible to design universal device applications. A range of seven overall widths, two depths, and three cover versions provide over 100 possible combinations.
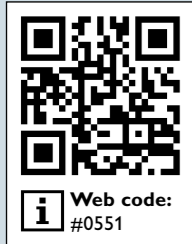
Two overall depths and seven overall widths

Integrated marking fields for equipment marking

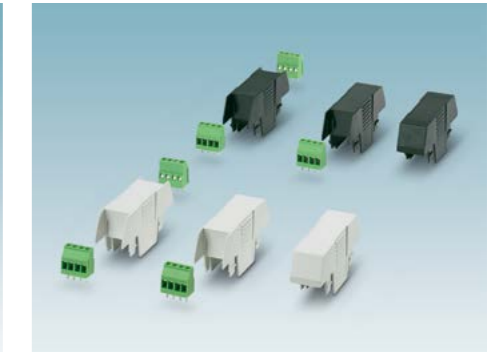Housing parts latch together without the need for tools

Your advantages

Complete flexibility, thanks to PCBs with horizontal, frontal, and orthogonal orientation to the front of the device

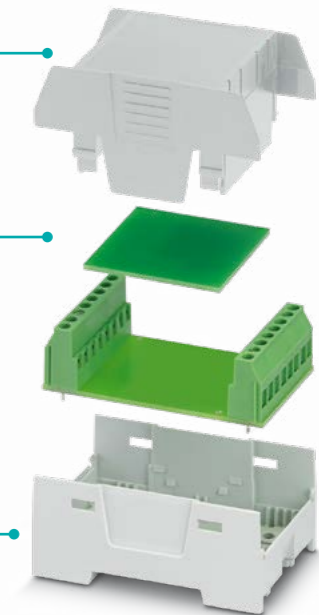DIN rail or wall mounting for device fastening suited to the application

Three cover versions for individual PCB connections

Configure your product the way you want

Tall design

Flat design

2   Choose the matching upper housing part

3   Select connection technology or filler plug

1   Select the design, color, and width of the lower housing part

Housing color options (RAL color system):
- 7035
- 9005

Other colors available on request.

Go directly to the online configurator

Just enter the web code into the search field on our website.

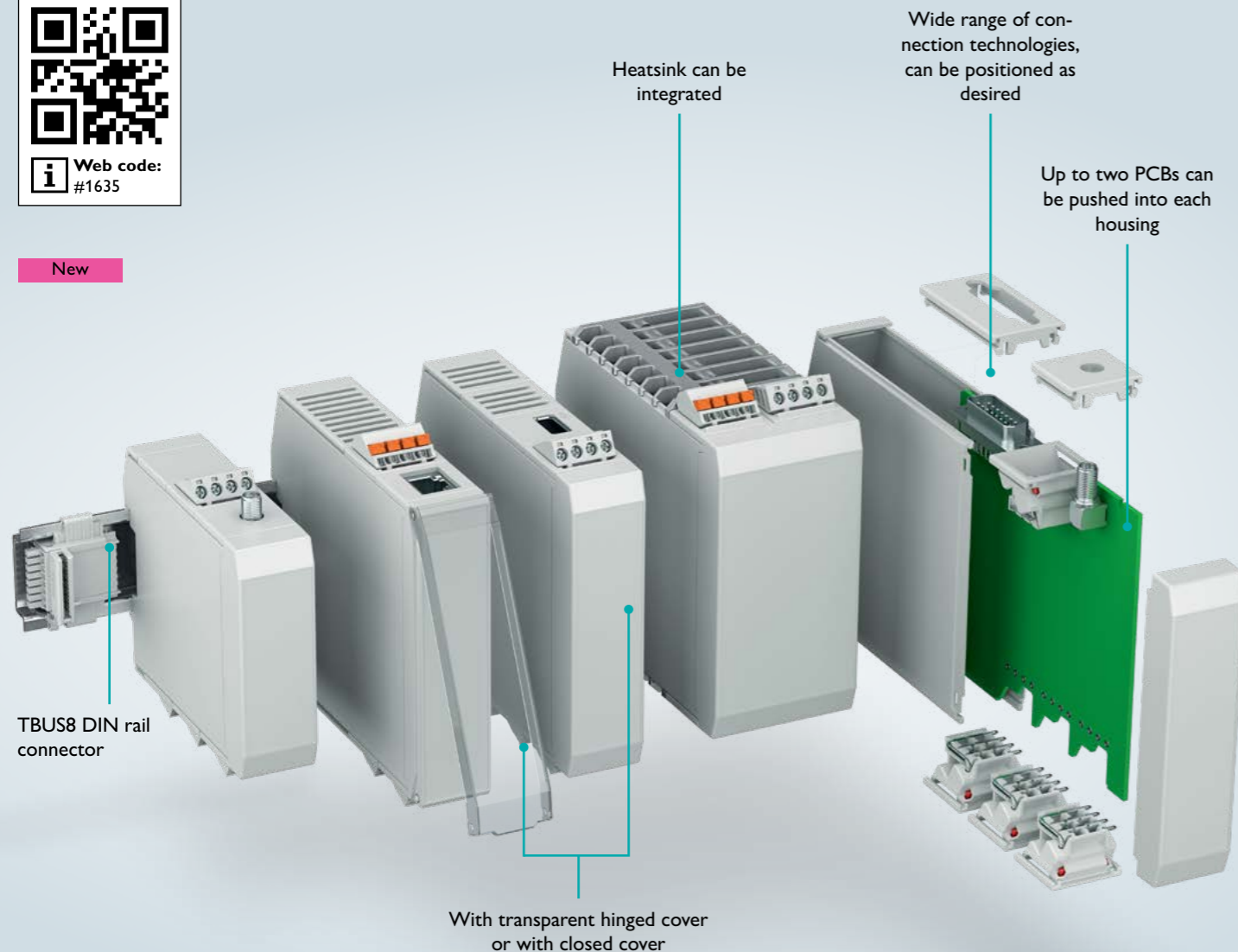Learn more at **www.phoenixcontact.com/ehkit**

Test the EH series and contact your sales contact person (sample set: 52006670).

ICS modular housings
with variable connection technology

The solutions made possible by the modular ICS housing system are as varied as the requirements for future-oriented automation devices. Take advantage of a housing system with graduated sizes, variable connection technology, and optional eight-position DIN rail connectors.
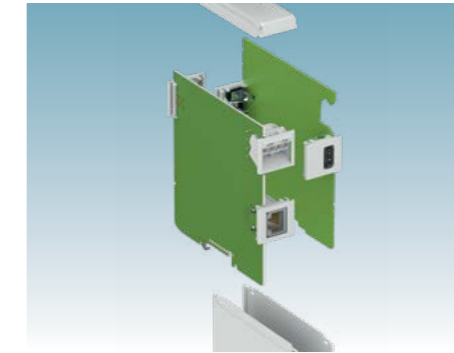
New

Heatsink can be integrated

Wide range of connection technologies, can be positioned as desired

Up to two PCBs can be pushed into each housing

TBUS8 DIN rail connector

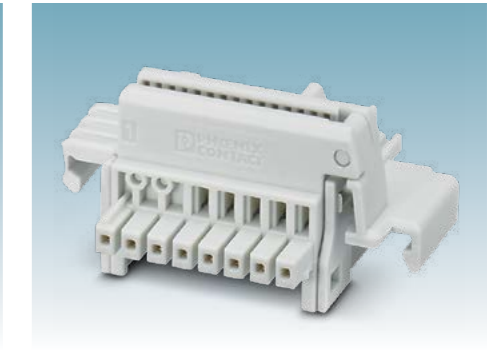With transparent hinged cover or with closed cover

Your advantages

Standardized connections such as RJ45, USB, D-SUB, and antenna sockets as built-in components and touch-proof male header

Optimum use of space by fitting up to two PCBs in the housing per basic housing width

8-position DIN rail connector with parallel and series contacts for easy module-to-module communication

Configure your product the way you want

2 Choose the upper housing part

3 Choose the connection technology

1 Select the lower housing part

4 Choose the filler

5 Select a DIN rail connector

Go directly to the online configurator

Just enter the web code into the search field on our website.

Housing color options (RAL color system):
7035   9005   5015
Other colors available on request.

Learn more at **www.phoenixcontact.com/icskit**

Test the ICS series and contact your sales contact person (sample set: 1047838).

ICS modular housings with individual cover designs

The ICS housing system can be configured quickly and easily with a comprehensive selection of different sizes, variable connection technology, and optional bus connectors. The ICS Cover Designer is available to you immediately and enables you to create an unmistakable cover design. In just a few steps, you can order your individual design as a 3D-print – followed by prototype deliveries and subsequent series production.
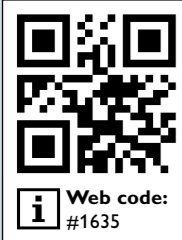
Web code: #1635

New

Your advantages

Comprehensive portfolio
A large selection of standard products is available for you to use and configure for your specific application in the configurator.

Quick and easy prototyping
You can make use of the additive production facilities available from PROTIQ, our marketplace for 3D printing, for the prototype.

Professional series production
Once you have chosen the cover, series production can begin.

Configure your product the way you want

1 Configure ICS housings: Configure the ICS housing system in different sizes and with variable connection technology.

2 Design the housing cover: If you would like an individual cover, you will be directed automatically to the intuitive ICS Cover Designer where you can configure your own design. You can then order an additively-manufactured prototype individually from PROTIQ, our cooperation partner, and have it delivered to your door.

3 Authorize series production: Once you have decided on a design, an experienced team of specialists is available for all further steps.

Go directly to the online configurator
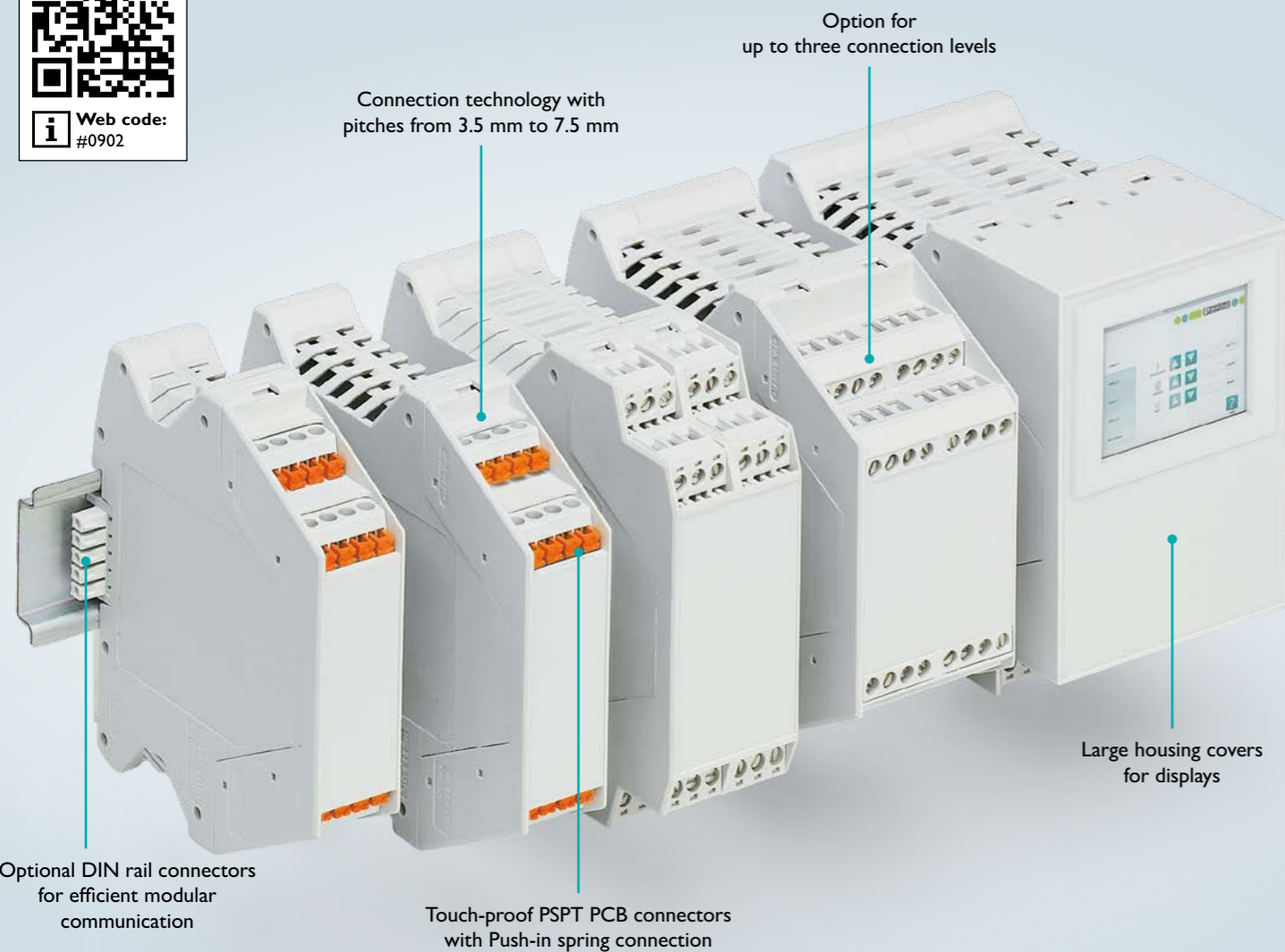Simply enter the web code into the search field on our website.

Web code: #0512

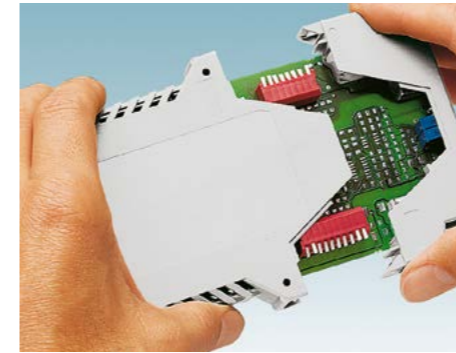Contact
Service Center
Tel.: (800) 808-7177
E-Mail: housing-modification@phoenixcontact.com

ICS Cover Designer
If you would like to create an ICS housing cover, you can use the ICS Cover Designer by PROTIQ at
https://www.protiq.com/en/ics-cover-configurator.

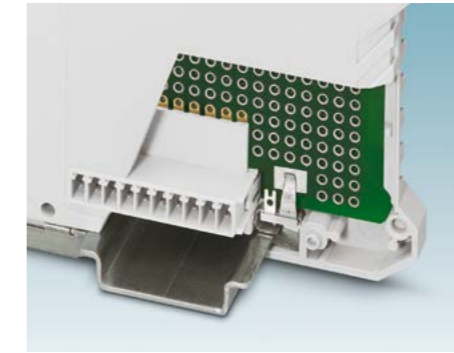# Modular ME housings in an easy-to-install cup shape

Modular electronics housings from the ME series transform assembled PCBs into easy-to-install electronics modules. Variable connection technology, bus connectors, and modularity ensure the right device design for every application. Diverse adaptation options expand the range of individual housing solutions.

Option for
up to three connection levels

Connection technology with
pitches from 3.5 mm to 7.5 mm

Large housing covers
for displays

Optional DIN rail connectors
for efficient modular
communication

Touch-proof PSPT PCB connectors
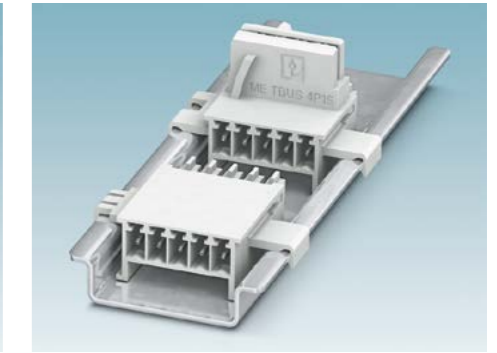with Push-in spring connection

Your advantages


Cup principle for short installation times

Functional earth ground contact and bus connector integrated into the housing with up to 12 positions

Optional DIN rail connectors with five parallel contacts or four parallel contacts and one series contact for efficient module-to-module communication

Configure your product the way you want

3   Choose the matching upper housing part

4   Select connection technology or filler plug (pp. 24 – 27)

1   Select the lower housing part

2   Add the DIN rail bus as an option
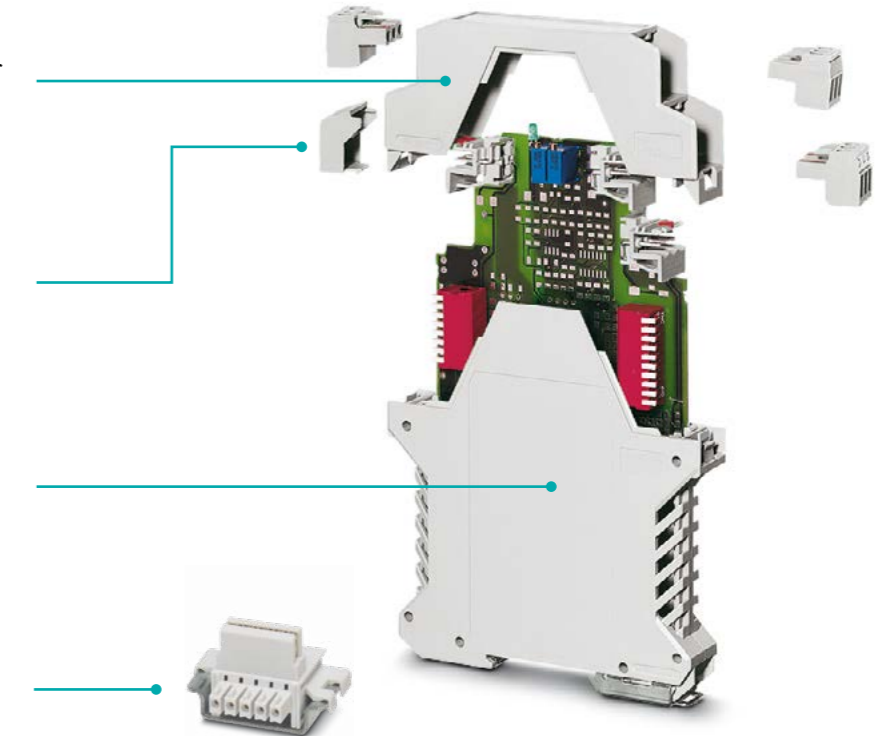
Go directly to the online configurator

Just enter the web code into the search field on our website.

Housing color options (RAL color system):
7035   6021   9005   5015   3001   1018
2003   7031   7032   9002   9010   8019
Other colors available on request.

Learn more at **www.phoenixcontact.com/mekit**

Test the ME series and contact your sales contact person (sample set: 52005214).

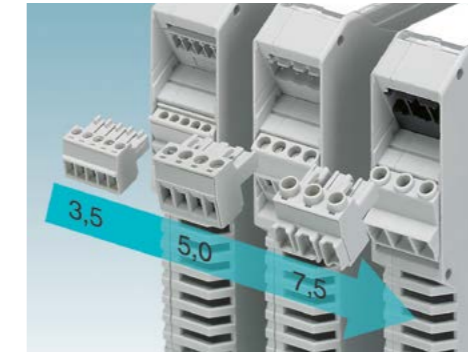# ME-MAX series housings in flexible modular design

Modular, functional, and design-oriented ME-MAX electronics housings for modern industrial electronics: variable connection technology, bus connectors, and modularity ensure the right device design for every application.
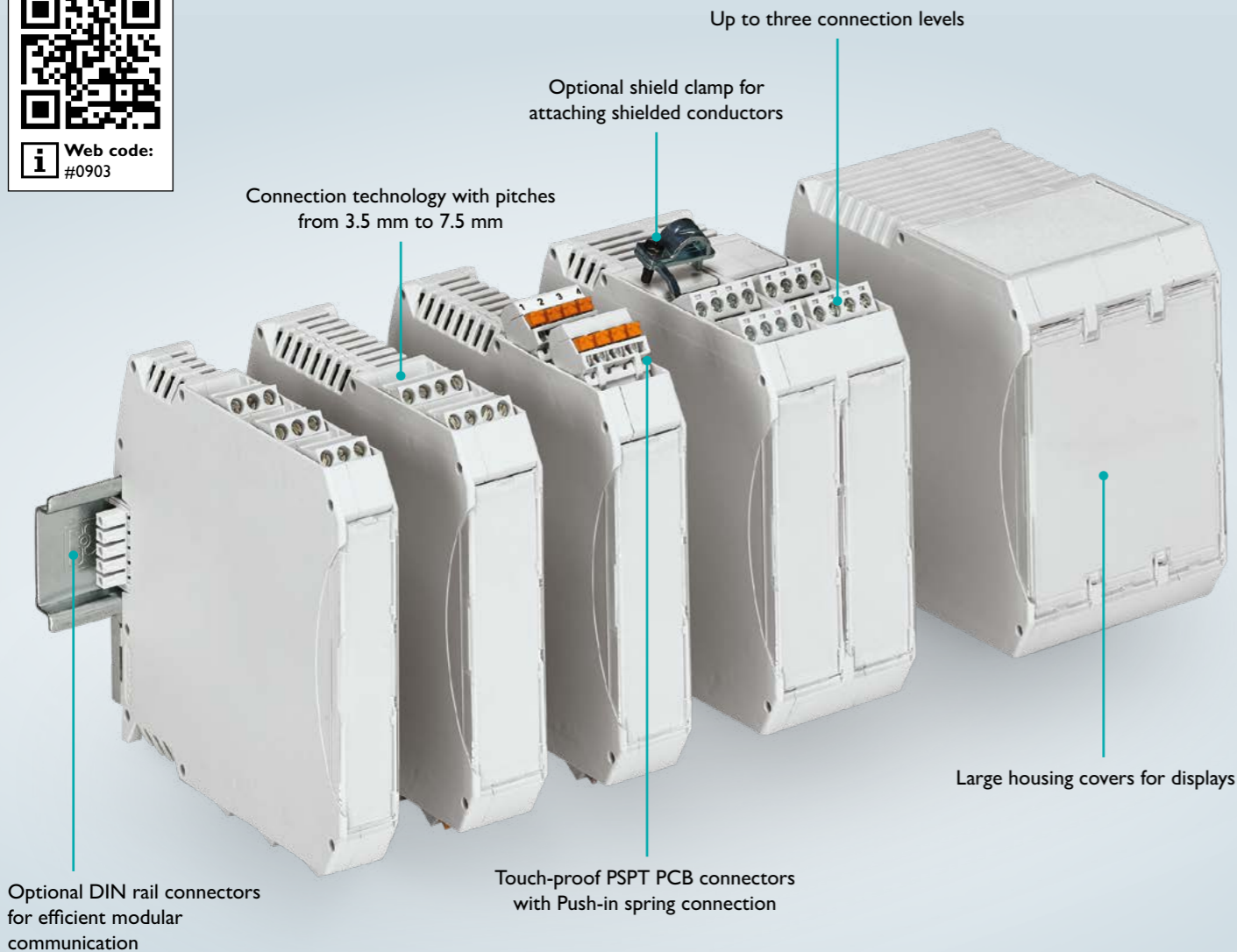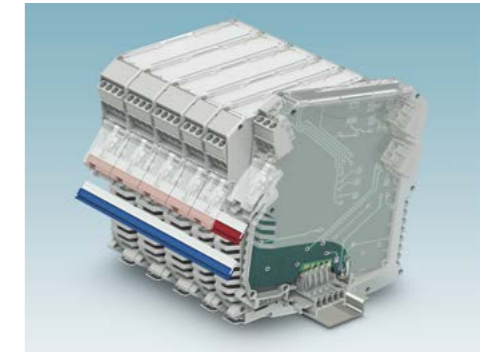
Your advantages
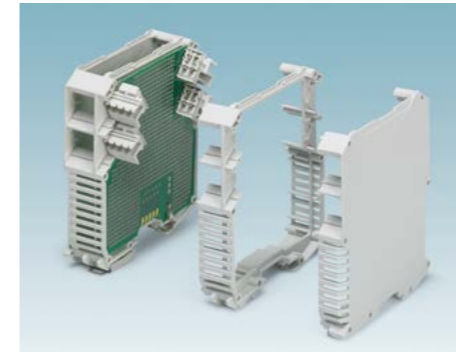
Modular housing design enables variable electronics solutions

Tailor-made connection technologies for signal, data, and power transmission with various pitches

TBUS DIN rail cross connectors and PCO power connectors for module-to-module communication

Web code: #0903

Up to three connection levels

Optional shield clamp for attaching shielded conductors

Connection technology with pitches from 3.5 mm to 7.5 mm

Large housing covers for displays

Optional DIN rail connectors for efficient modular communication

Touch-proof PSPT PCB connectors with Push-in spring connection

Configure your product the way you want

1 Select the housing

3 Select connection technology or filler plug (pp. 32 – 35)

2 Add DIN rail bus and power connectors as an option
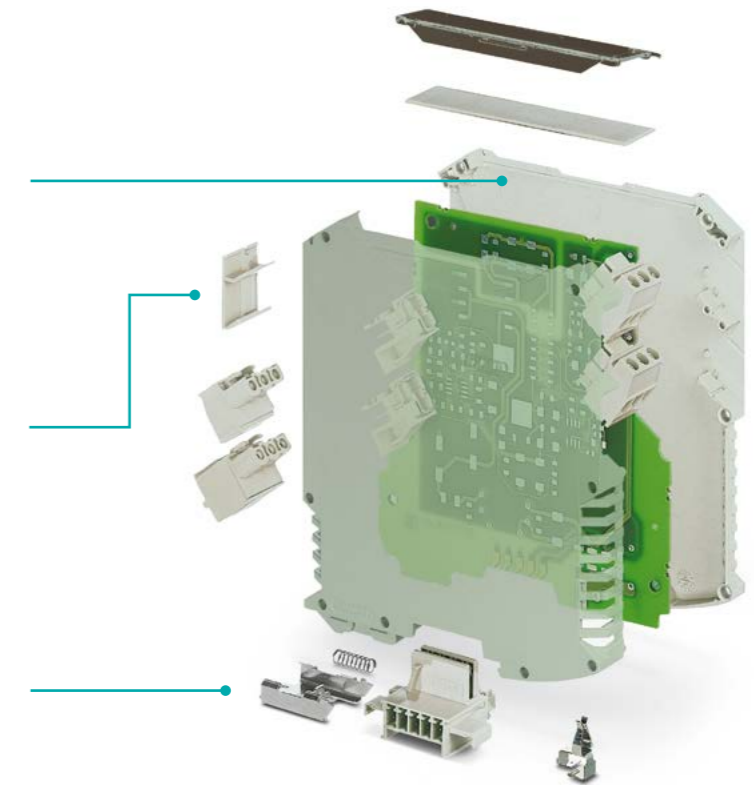
Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

Housing color options (RAL color system):
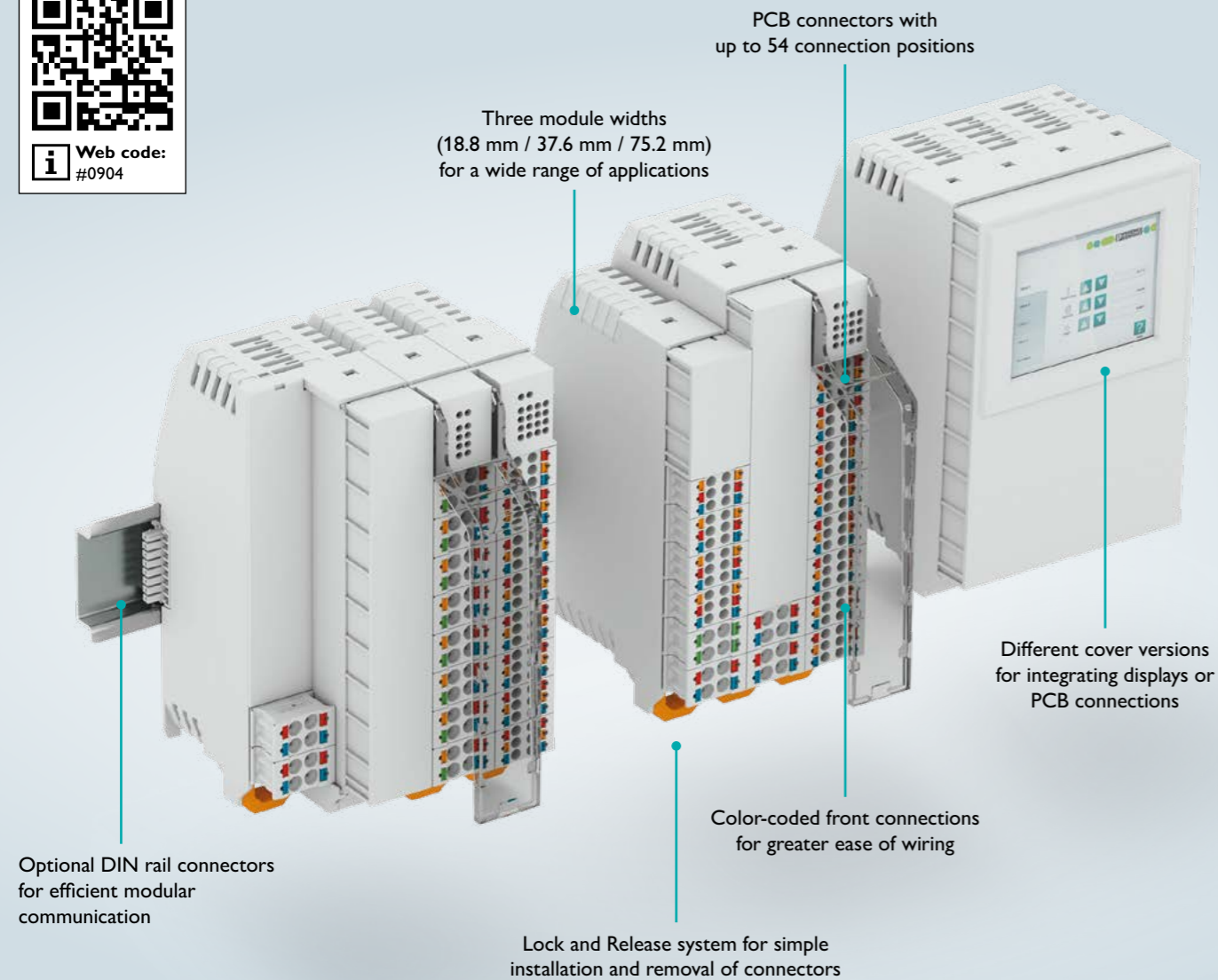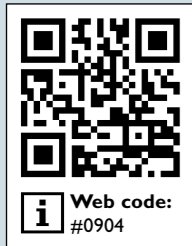7035 6021 9005 5015 3001 1018
2003 7031 7032 9002 9010 8019
Other colors available on request.

Learn more at **www.phoenixcontact.com/memaxkit**

Test the ME-MAX series and contact your sales contact person (sample set: 52005224).

Multifunctional ME-IO housings with modular front connection technology

The ME-IO housing system is perfectly suited for applications with a limited amount of installation space and high function requirements. Tailor-made electronics modules, such as controllers and I/O modules, can be easily assembled thanks to their modular design. The Push-in front connection technology and compact design enable the implementation of individual devices with up to 54 positions per overall width of 18.8 mm.

Web code: #0904

PCB connectors with up to 54 connection positions

Three module widths (18.8 mm / 37.6 mm / 75.2 mm) for a wide range of applications

Different cover versions for integrating displays or PCB connections

Color-coded front connections for greater ease of wiring

Optional DIN rail connectors for efficient modular communication

Lock and Release system for simple installation and removal of connectors

Your advantages

Convenient front connections for transmitting signals, data, and power

Block belts enable connector types to be grouped mechanically in any arrangement in a confined space

Additional marking options available by means of inserts in transparent marking lid

Configure your product the way you want

4 Select accessories

3 Choose the connection technology

2 Define the lower housing part

1 Specify DIN rail connector
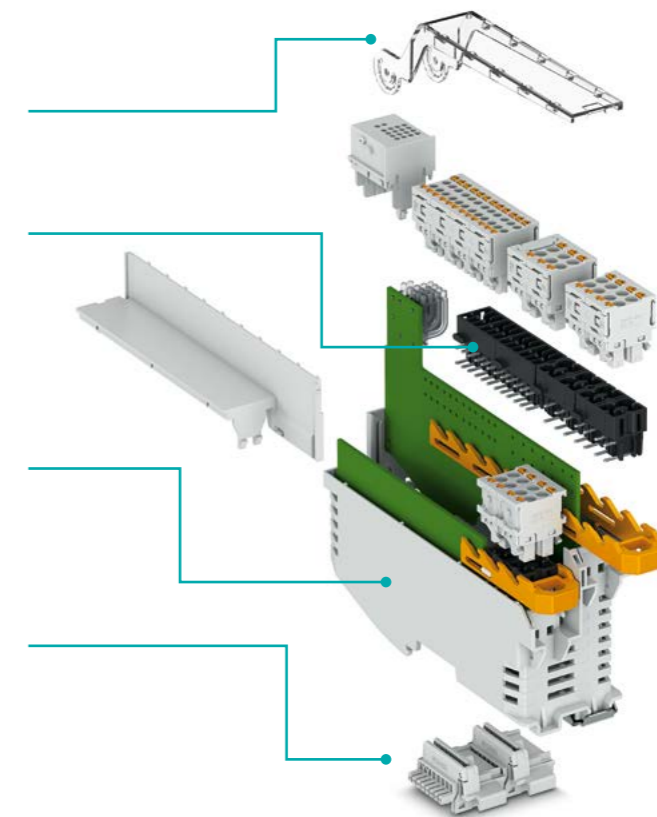
Go directly to the online configurator

Just enter the web code into the search field on our website.
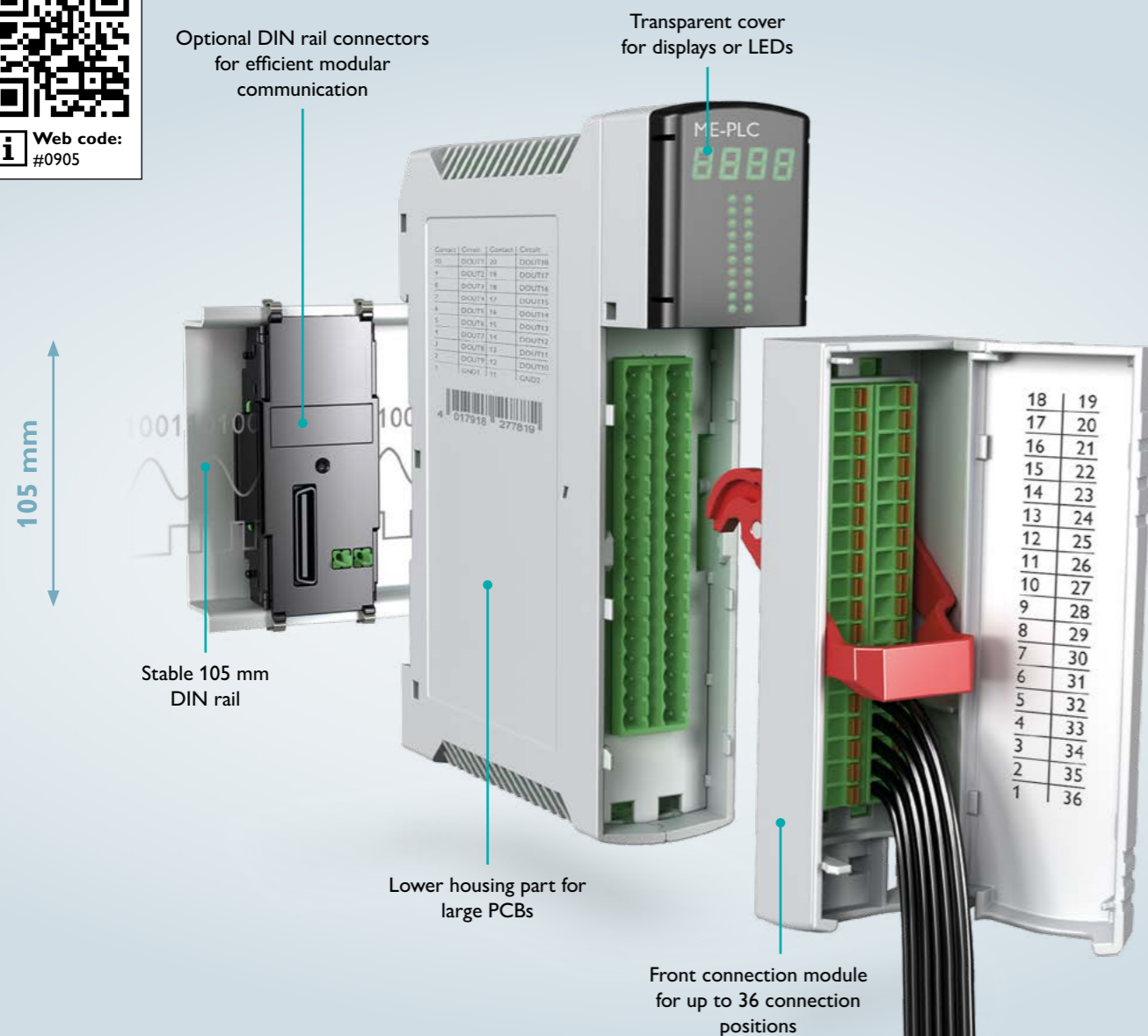
Web code: #0512

Housing color options (RAL color system):
☐ 7035 ☐ 5015 ☐ 1018
Other colors available on request.

Learn more at **www.phoenixcontact.com/meiokit**

Test the ME-IO series and contact your sales contact person (sample set: 52005220).

ME-PLC multifunctional housings for complex controllers

Multifunctional electronics housings from the ME-PLC series are ideal for applications that require a large installation space and connection technology on the front
The housing system offers a large PCB mounting surface and efficient DIN rail connectors for a wide range of applications.

Web code: #0905

Optional DIN rail connectors for efficient modular communication

Transparent cover for displays or LEDs

Stable 105 mm DIN rail

105 mm

Lower housing part for large PCBs

Front connection module for up to 36 connection positions

Your advantages

Front connection module with lever technology for high connection convenience

Convenient transmission of data and power, thanks to DIN rail connectors with up to 50 positions

Universal cover design for freely selectable connection technology

Configure your product the way you want

4 Select the housing termination

3 Select the front connection module

1 Select the lower housing part

2 Determine the DIN rail connector
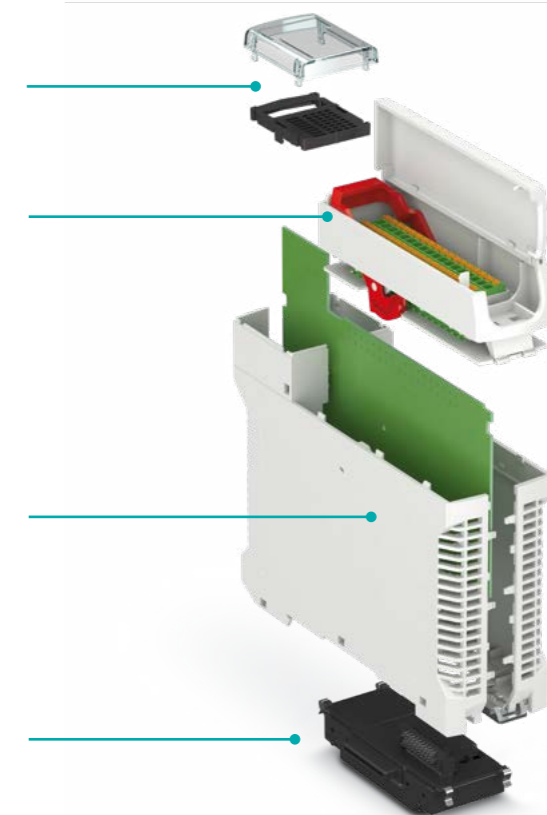
Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

Housing color options (RAL color system):
7035 9005 5015 1018
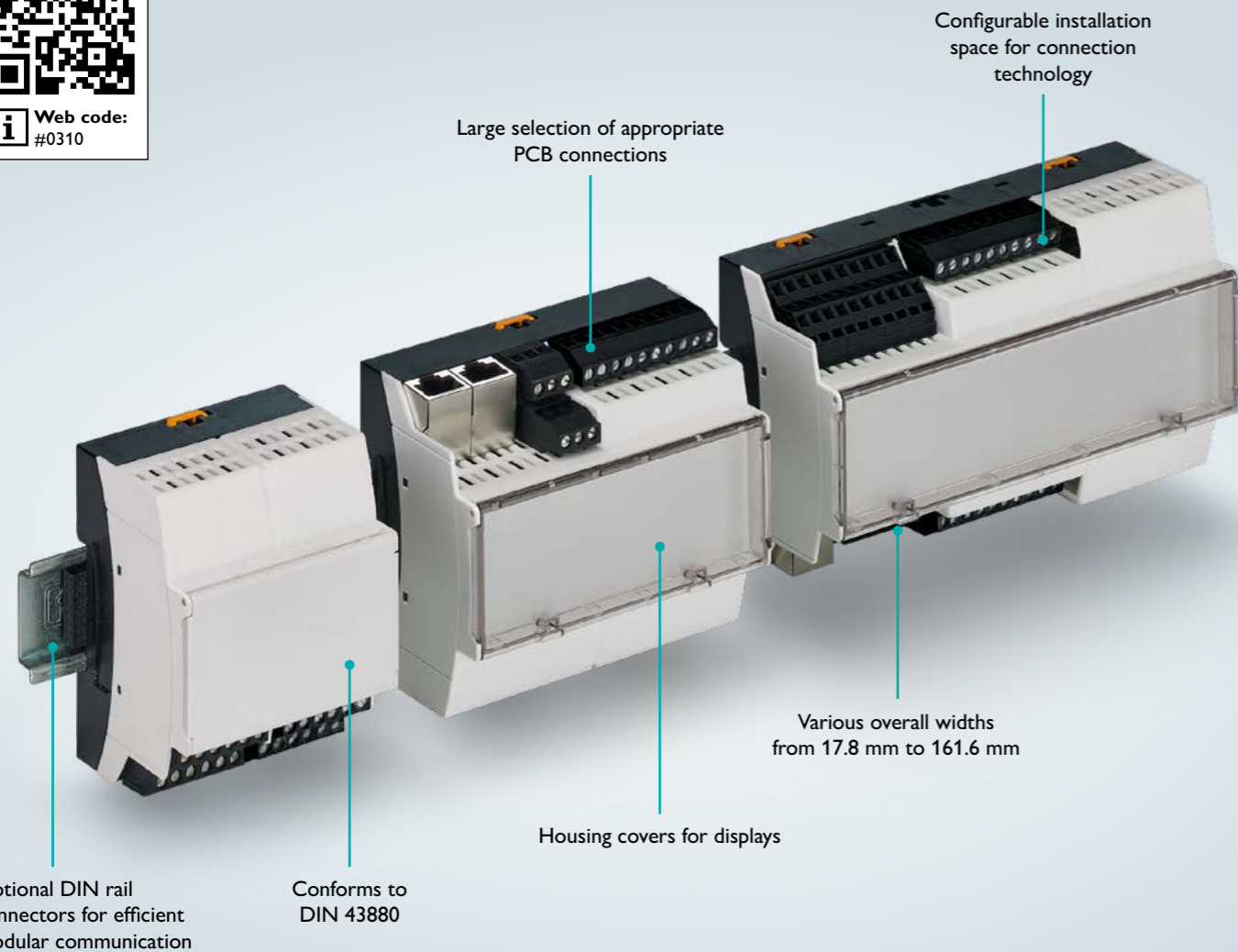Other colors available on request.

Test the ME-PLC series and contact your sales contact person (sample set: 52003927).

Modular BC building installation housings

Modular electronics housings of the BC series represent future-oriented applications in building automation. The electronics housings feature modern design, multi-sided PCB connections, and an efficient DIN rail connector. The BC housings are suited for direct wall mounting or for use in installation distributors in accordance with DIN 43880.
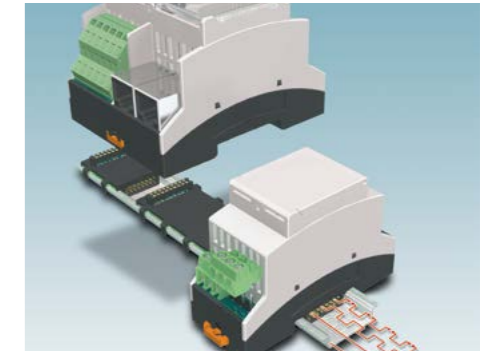
Web code: #0310

Large selection of appropriate PCB connections

Configurable installation space for connection technology

Various overall widths from 17.8 mm to 161.6 mm

Housing covers for displays

Optional DIN rail connectors for efficient modular communication

Conforms to DIN 43880

Your advantages

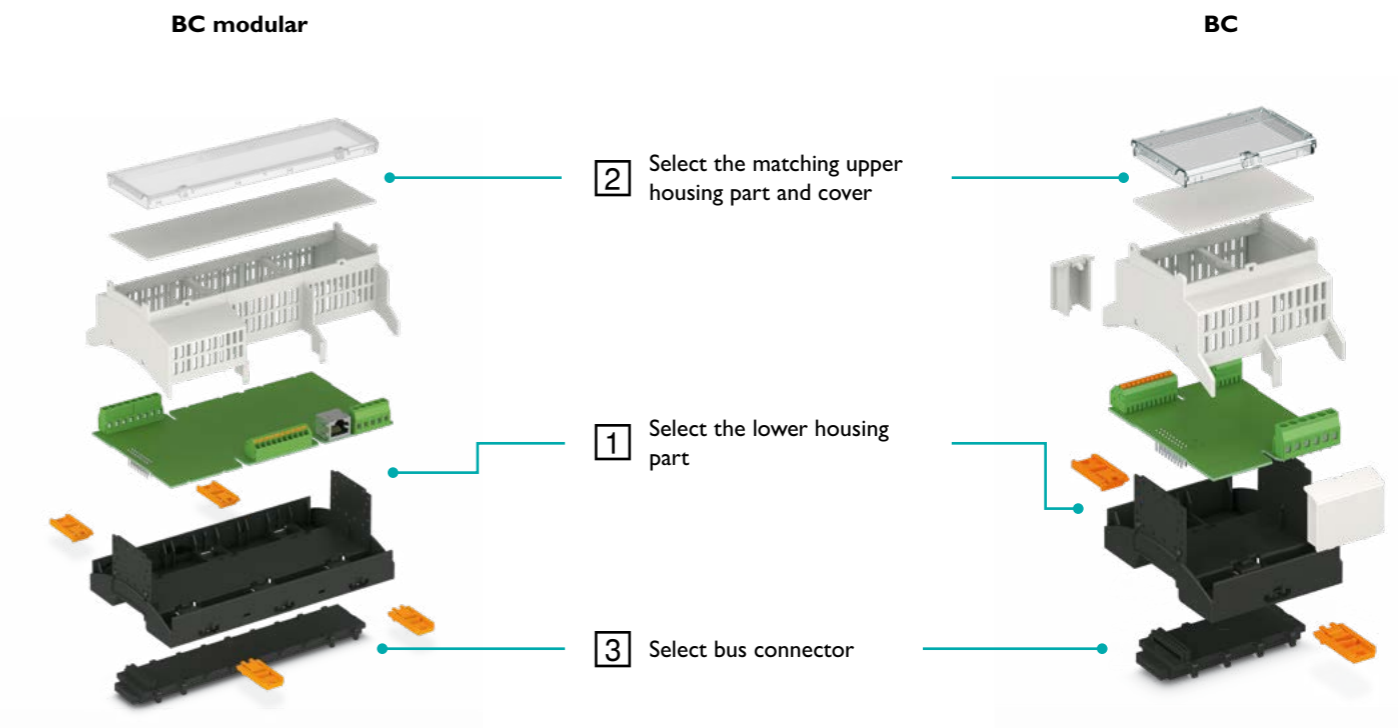Standard-compliant housing and installation dimensions for use in installation distributors
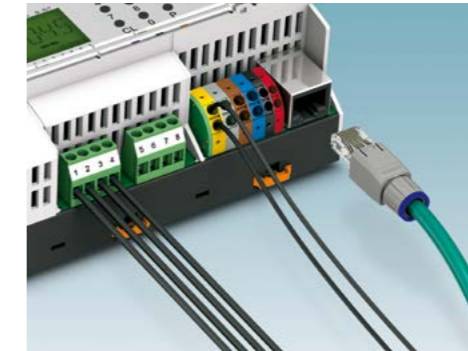
Maximum flexibility, thanks to free choice of PCB connection technology and various overall widths

16-position DIN rail connector for series and parallel modular communication

Configure your product the way you want

BC modular

BC

2   Select the matching upper housing part and cover

1   Select the lower housing part

3   Select bus connector

Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

Housing color options (RAL color system):
7035   9005   5015   7042   3001   1018
Other colors available on request.

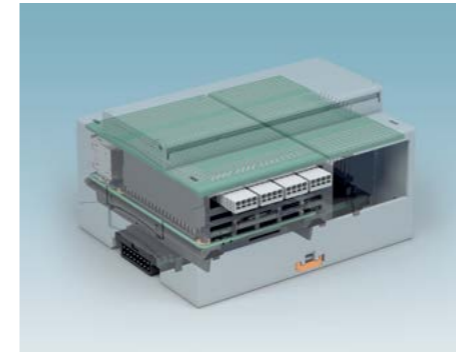Learn more at **www.phoenixcontact.com/bckit**

Test the ME-BC series and contact your sales contact person (sample set: 52005225).

Modular electronics housings for Raspberry Pi applications

Modular electronics housings of the RPI-BC and UCS-RPI series are specially designed for integration of Raspberry Pi minicomputers. The RPI-BC housings are designed in accordance with DIN 43880, are alignable, and can be mounted on DIN rails or directly on the wall. Thanks to the comprehensive range of accessories, such as stands, corner guards, and wall and desk adapters, the UCS-RPI can be used universally. Optional interfaces allow straightforward expansion of the functions of the integrated single-board computer.

Web code: #2043

Cables can be fed in directly from the cable duct

Optional PCB connections for additional functions

Integrated wall mount

Universal application with accessories

Optional DIN rail connectors for efficient module communication

Prefabricated knockouts for the Raspberry Pi

Display cutout freely positionable on request

Your advantages

Individual function extensions due to optional interfaces and additional accessories

Easy integration of the Raspberry Pi touch display and more space is available for individual circuits in order to extend range of functions

16-pos. DIN rail connector for series and parallel module communication
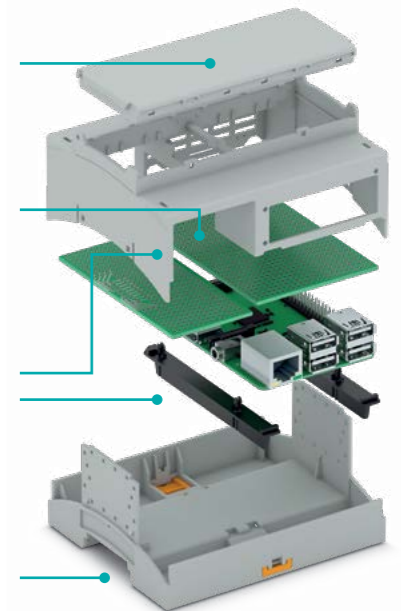
Configure your product the way you want [1)2)]

UCS-RPI
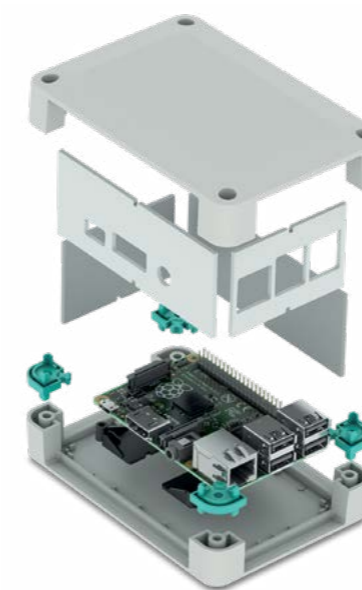
1 Select housing

2 Assemble accessories

RPI-BC

3 Select housing cover

4 Assemble accessories

1 Choose the upper housing part and PCB retainer

2 Select lower housing part

Go directly to the online configurator

Simply enter the web code into the search field on our website.

Web code: #0512

Housing color options (based on RAL color system):
▨ 7035
Other colors are available on request.

Test the RPI-BC series and get in touch with your sales contact person (sample set: 52007812).

1) The configuration overviews for this product range can be found on pages 58 – 59.
2) Compatible with Raspberry Pi (A+, B+, B2, B3 and B4)

# UM press-drawn section housings for individual PCB sizes

Press-drawn section housings of the UM-BASIC and UM-PRO series allow for individualized installation dimensions and outstandingly simple assembly. The open design principle is ideally suited for flexible and large-scale device concepts.
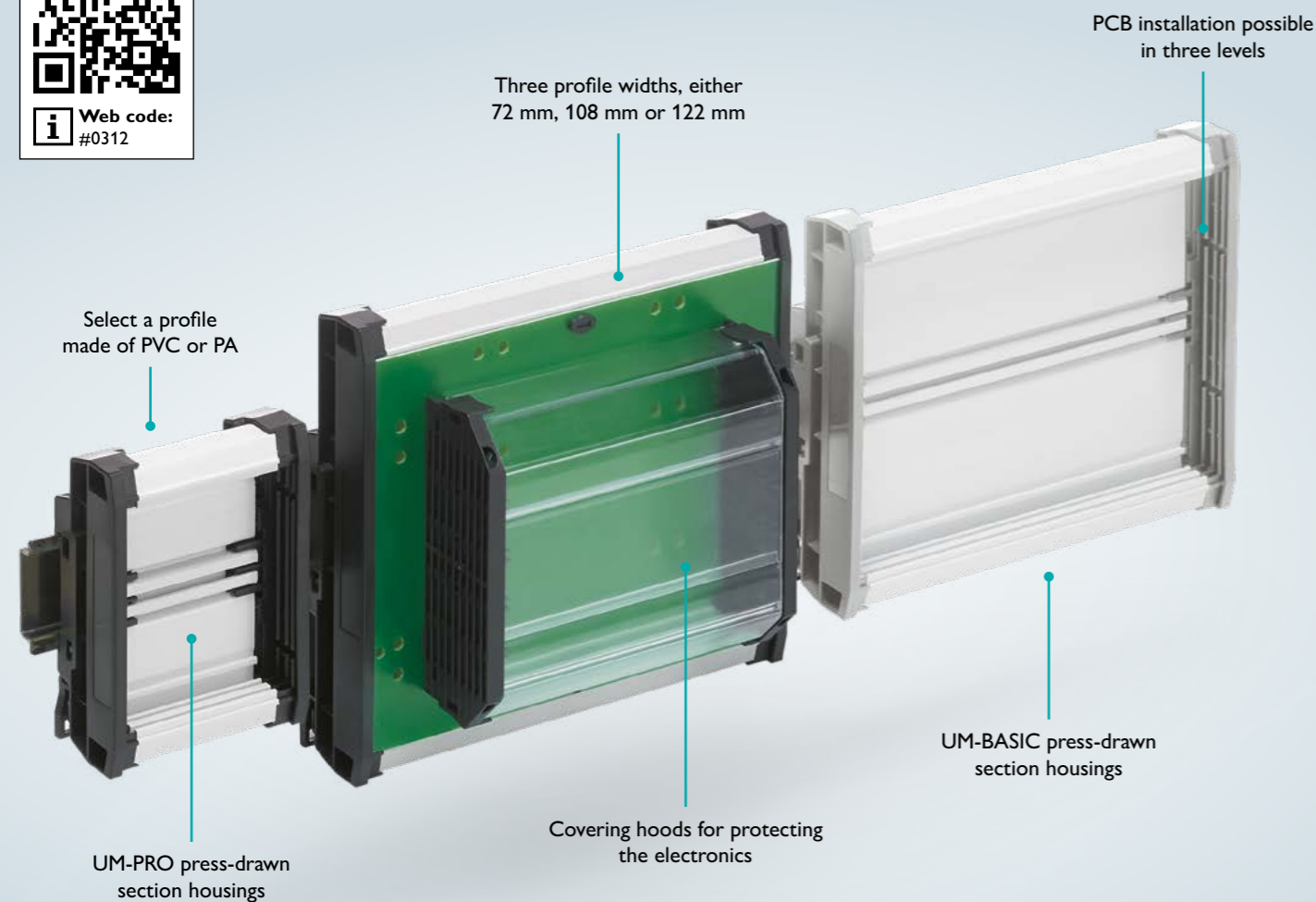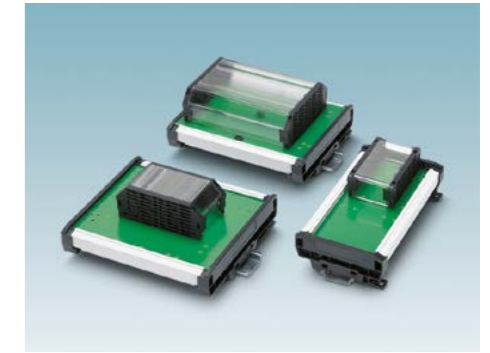
Your advantages

Housings made of PVC (UM-BASIC) or PA (UM-PRO) for application temperatures up to +50°C or up to +100°C
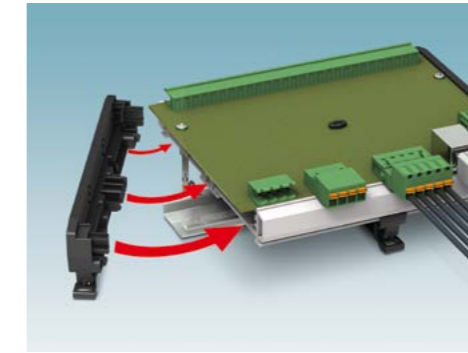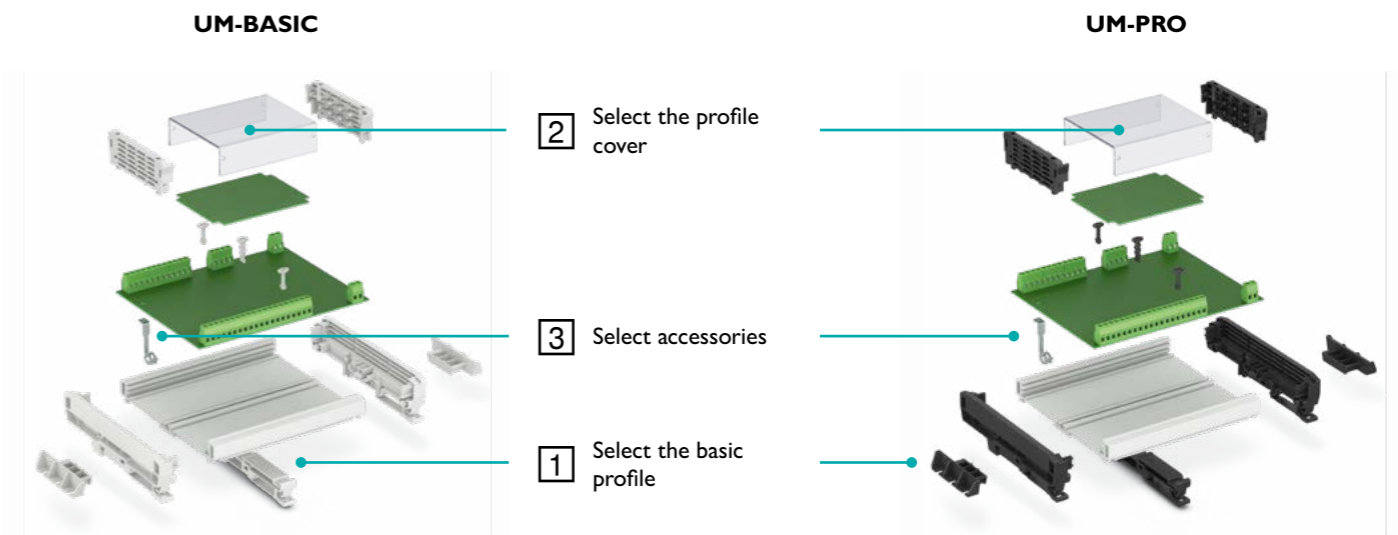

Easy device mounting method, thanks to snap-mount principle (the sides are fixed without the aid of tools)

High degree of flexibility, thanks to freely positionable covering hoods

PCB installation possible in three levels

Three profile widths, either 72 mm, 108 mm or 122 mm

Select a profile made of PVC or PA

UM-BASIC press-drawn section housings

Covering hoods for protecting the electronics

UM-PRO press-drawn section housings

Configure your product the way you want

UM-BASIC

2 Select the profile cover

3 Select accessories

1 Select the basic profile

Housing color options (RAL color system):
☐ 7035
Other colors available on request.

Test the UM-BASIC series and contact your sales contact person (sample set: 52005309).

UM-PRO

Housing color options (RAL color system):
☐ 7035
Other colors available on request.

Test the UM-PRO series and contact your sales contact person (sample set: 52005226).
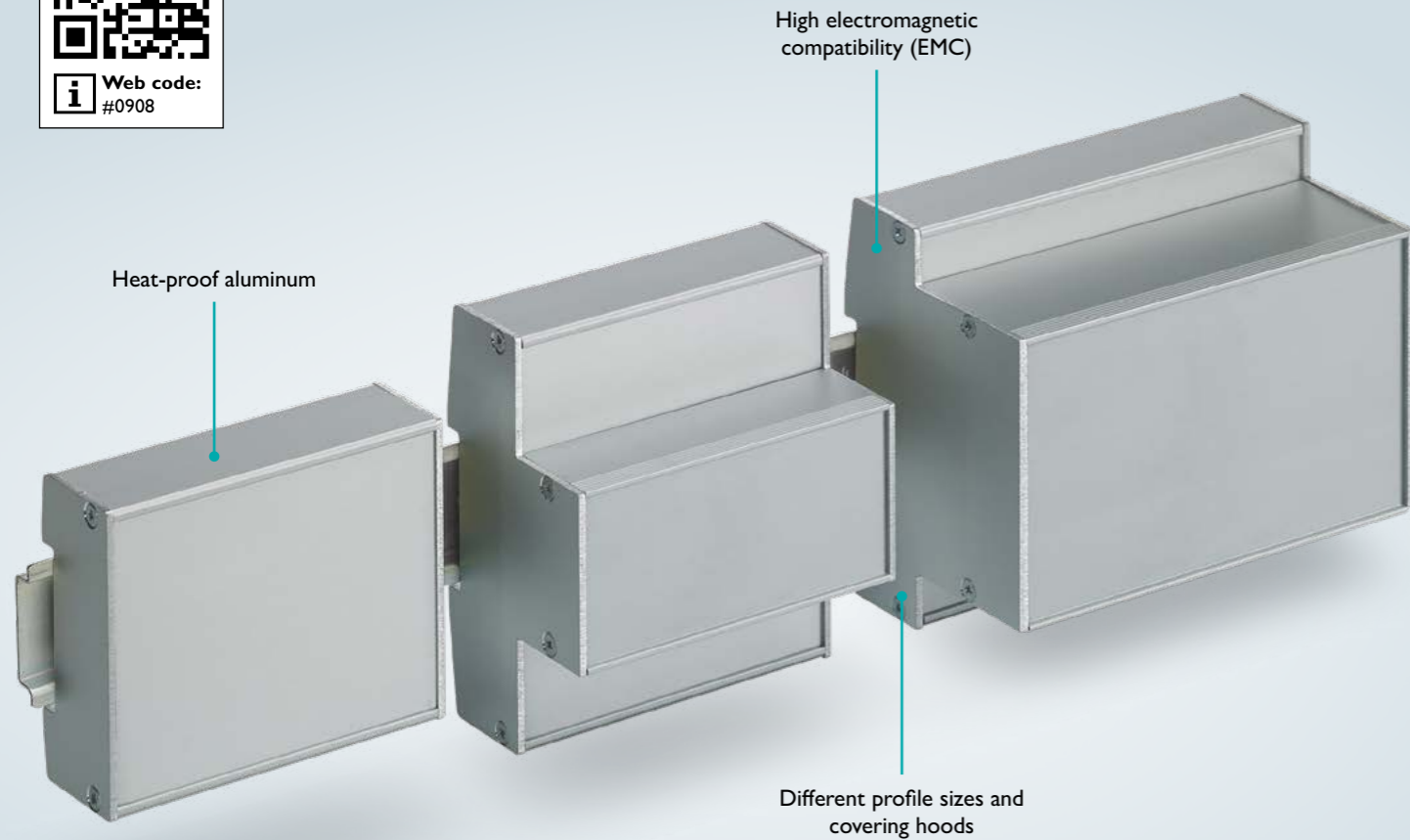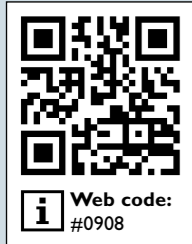
Go directly to the online configurator

Just enter the web code into the search field on our website.

UM-ALU press-drawn section housings for EMC-sensitive electronics

Made entirely of aluminum, the UM-ALU housing system offers a high degree of electromagnetic compatibility (EMC) and ensures full flexibility in the assembly process. The housings are especially suited for industrial environments with high electromagnetic interference potential.
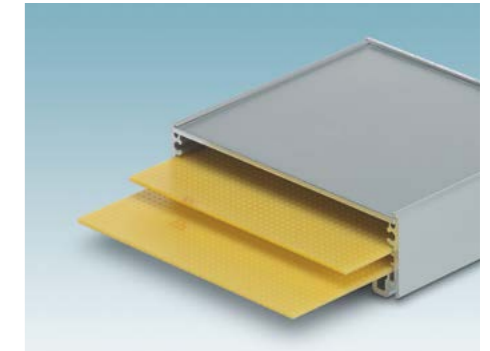
Heat-proof aluminum

High electromagnetic compatibility (EMC)

Different profile sizes and covering hoods

Your advantages
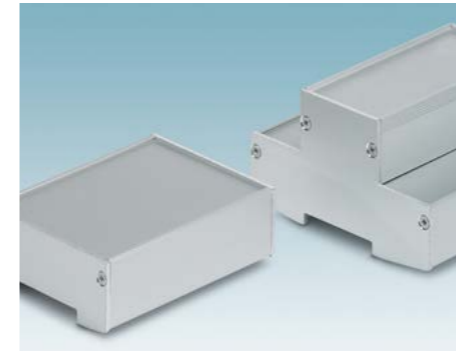
Heat-proof aluminum for optimal protection of sensitive electronics
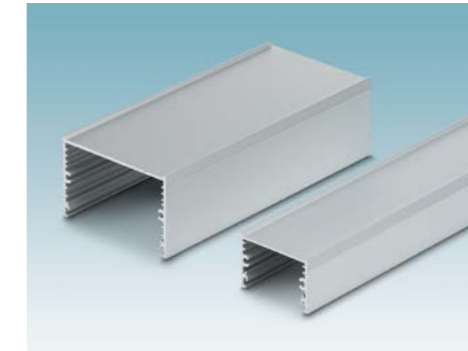
Different profile sizes and covering hoods for electronics assemblies suited to the application

PCB installation on up to seven levels for flexible electronics solutions

Configure your product the way you want
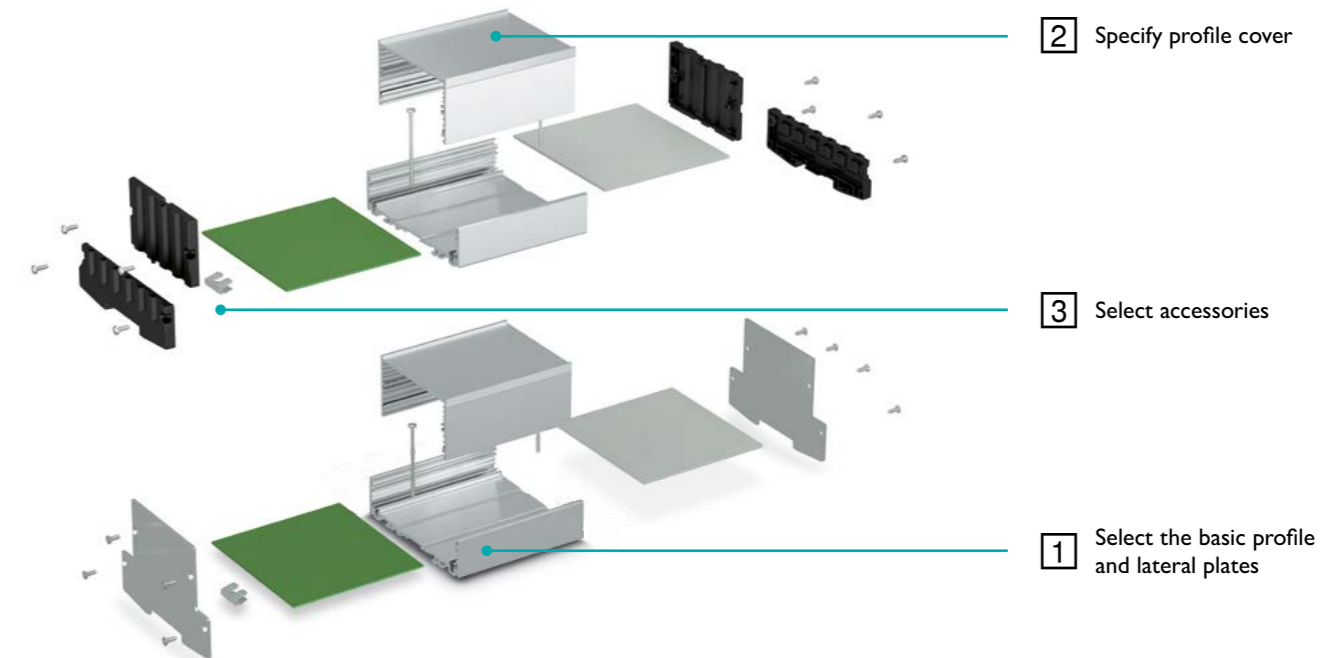
2 Specify profile cover

3 Select accessories

1 Select the basic profile and lateral plates

Go directly to the online configurator

Just enter the web code into the search field on our website.

Housing color options (RAL color system):
■ 9006
Other colors available on request.

Test the UM-ALU series and contact your sales contact person (sample set: 52002012).

Field housings

Whether as stationary display units, mobile operator panels, or embedded systems – field housings from Phoenix Contact provide a high degree of protection ideal for countless applications in building, industrial, or process automation.
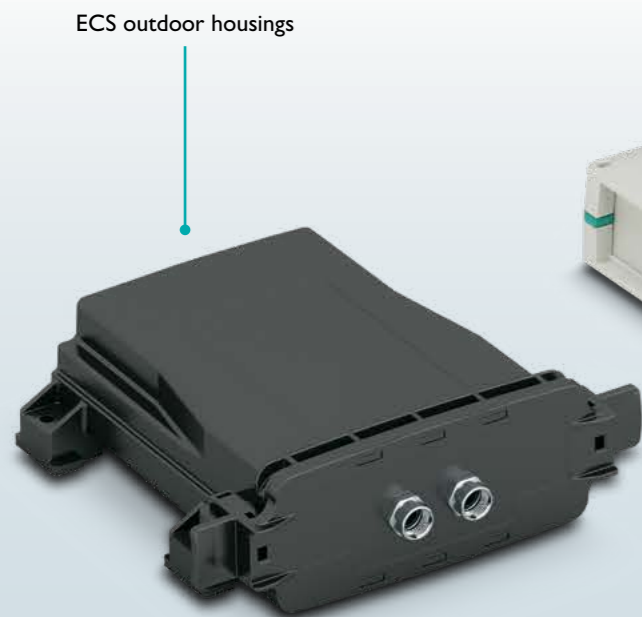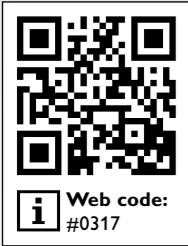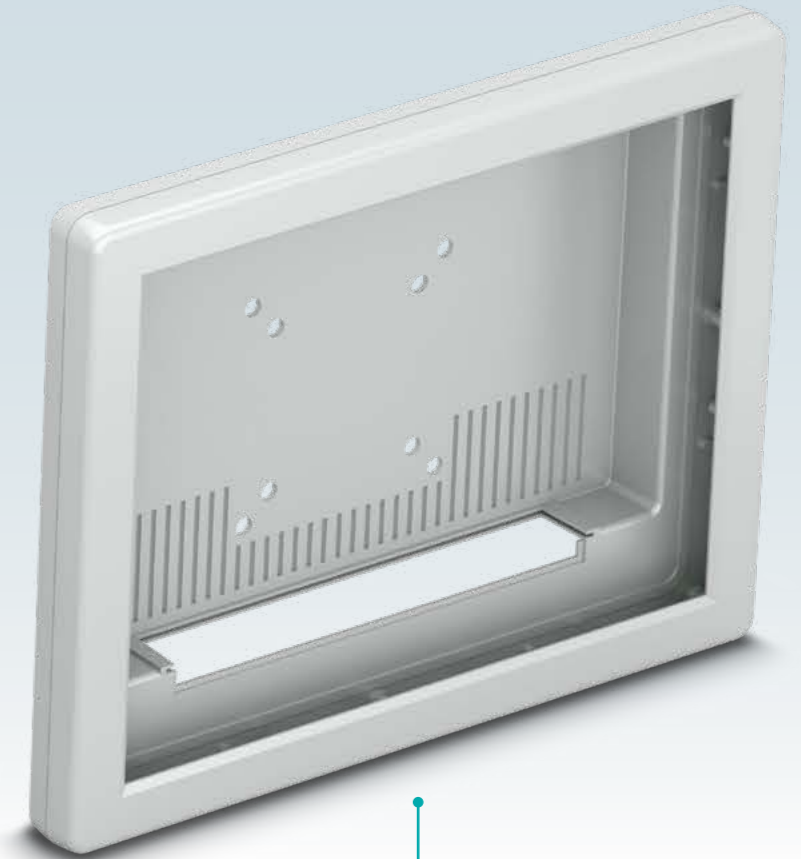
UCS universal housings

ECS outdoor housings

HC-ALU
profile housings
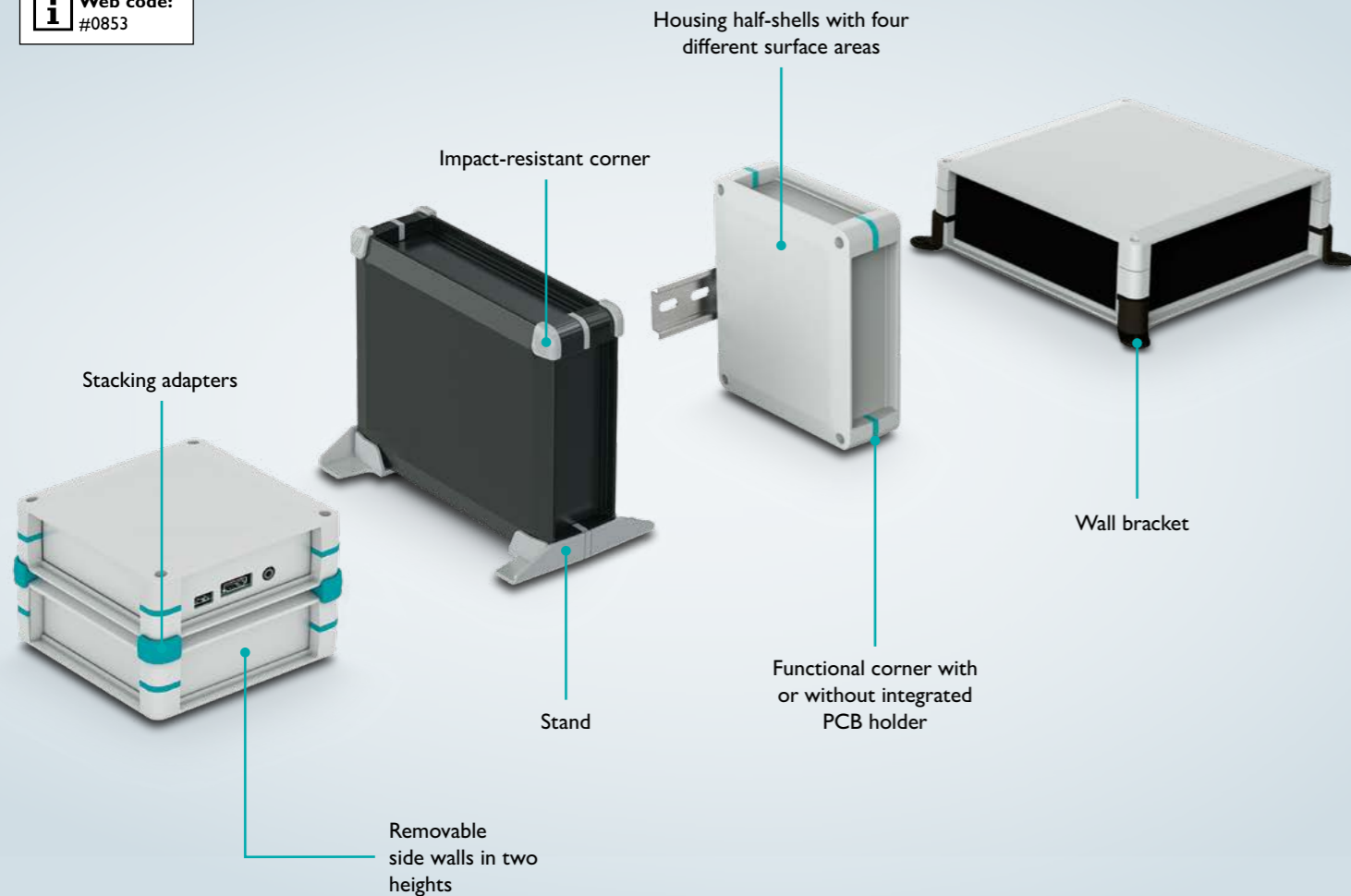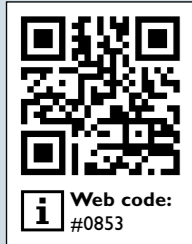
HCS handheld housings

DCS display carriers

Your advantages

☑ Wide range of applications, thanks to modular housing systems

☑ High degree of protection, up to IP69K, for use in harsh ambient conditions

☑ Proven PCB connection technology permits practical customization

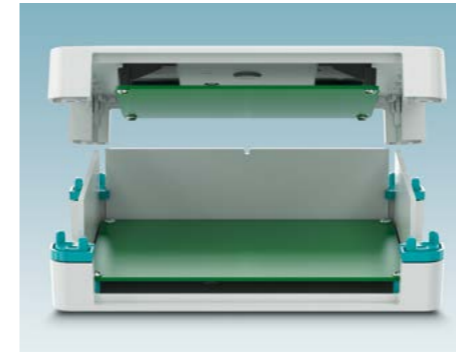☑ Customer-specific versions for unique device designs

UCS universal housings for embedded systems

Universal housings from the UCS series are the ideal solution for embedded systems. The IP40 housings reliably protect printed-circuit boards in standard form factors from external influences. Removable side panels enable modular housing solutions in individual heights. The UCS series is characterized by flexible PCB mounting and a wide range of possible applications.

Web code: #0853

Stacking adapters

Impact-resistant corner

Housing half-shells with four different surface areas

Wall bracket

Stand

Functional corner with or without integrated PCB holder

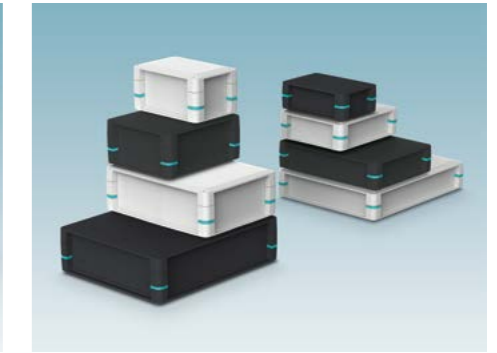Removable side walls in two heights

Your advantages

Integrated or flexible PCB mount for variable electronics solutions

Even more universal deployability, thanks to DIN rail adapter and other accessories

Modular system for highest adaptivity and simple storage

Configure your product the way you want

Version 1

1. Select the maximum PCB dimensions or form factor

2. Select the depth and color of the complete housing

3. Select accessories

or

Version 2

1. Select the size and color of the housing half shell

2. Select the size and color of the side walls

3. If applicable, select the height adapter in the desired color

4. Select the corner inserts and accessories
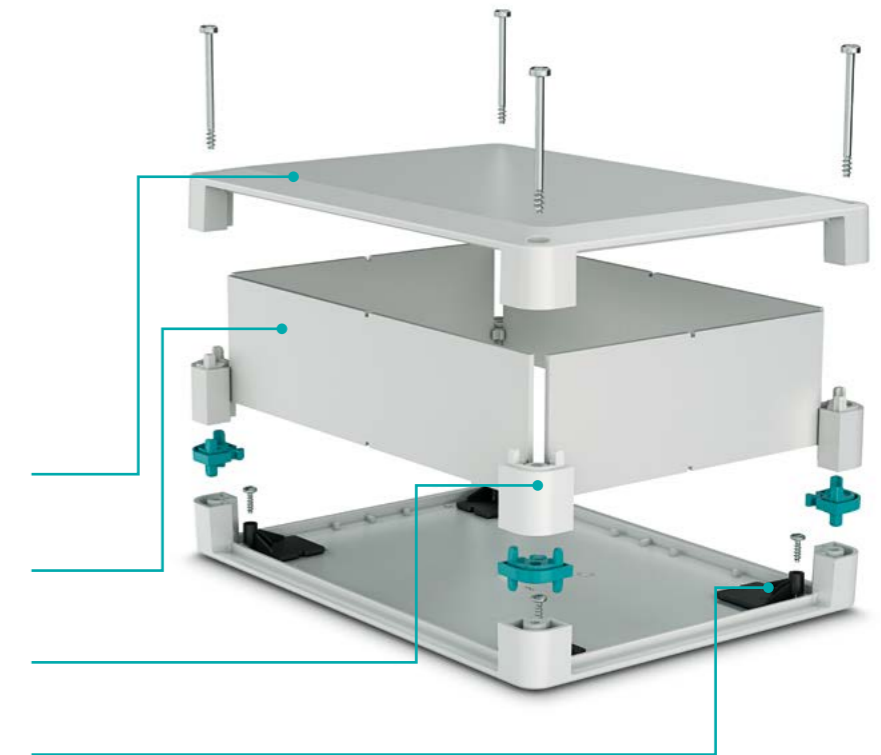
Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

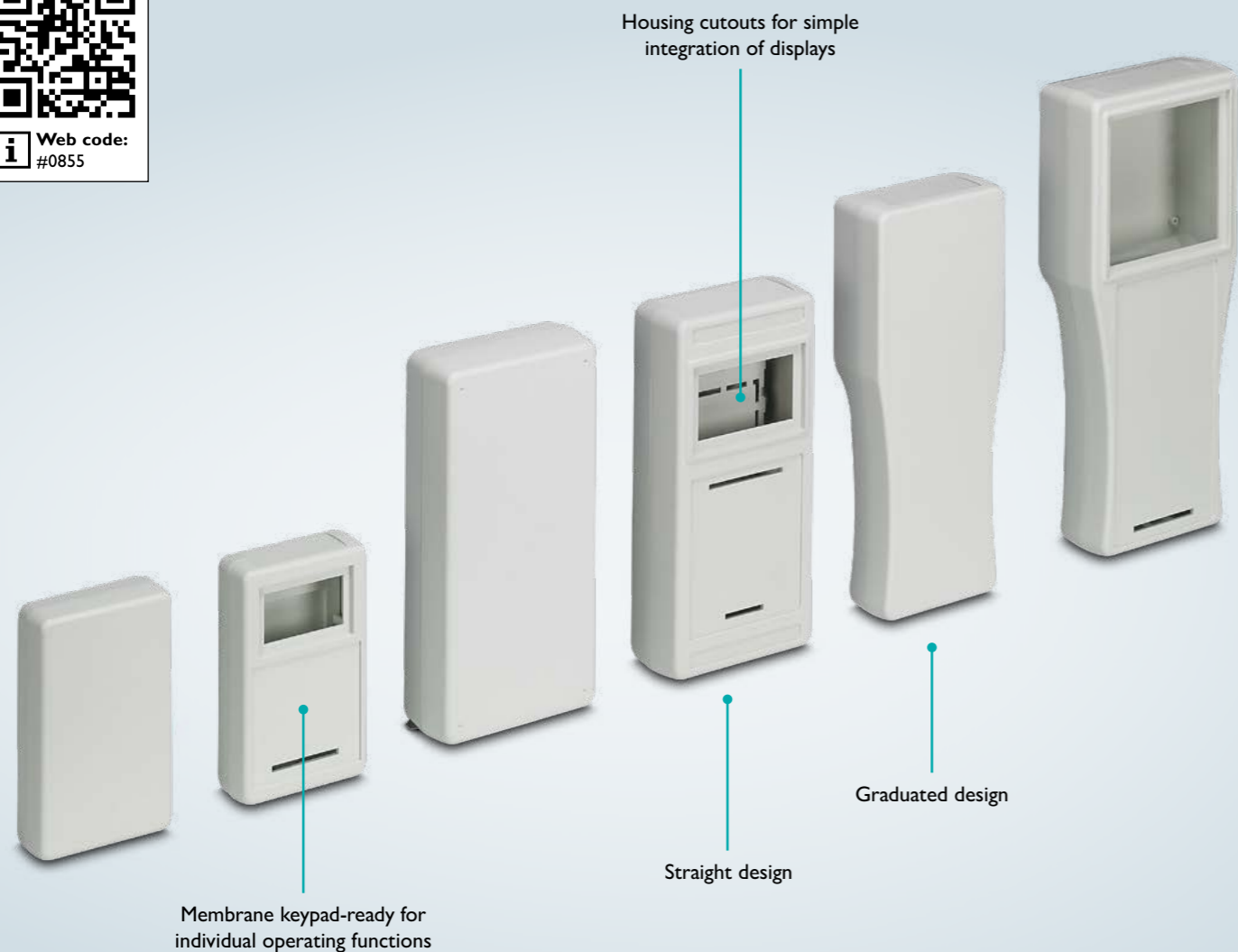Housing color options (RAL color system):
☐ 7035   ■ 9005

Accessories:
☐ 7035   ■ 5018   ■ 9005
Other colors available on request.

Test the UCS series and contact your sales contact person (sample set: 52008272).

HCS handheld housings for portable devices

Ergonomic handheld housings from the HCS series are ideal for mobile operator panels for measuring and inspection technology and for scanners or identification devices. The housings are made from stable ABS plastic and can be used in logistics, distribution, and process technology.
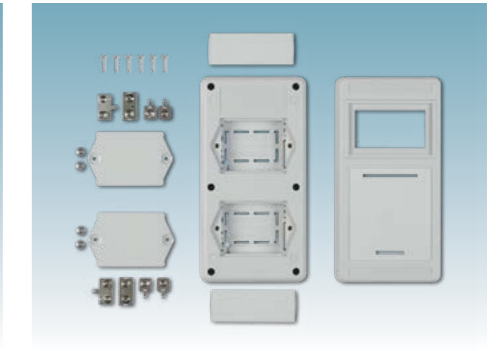

Web code: #0855

Housing cutouts for simple integration of displays

Graduated design

Straight design

Membrane keypad-ready for individual operating functions

Your advantages

Simple integration with perfect-fit membrane keypads, available to fit custom specifications
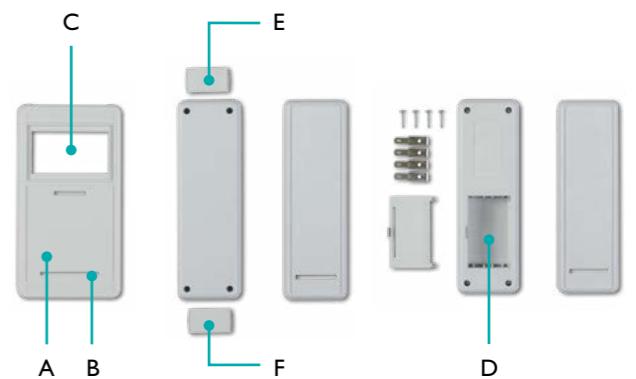
Easy integration of displays

Standard versions for different device interfaces and for power supply

Configure your product the way you want

1 Select housing size
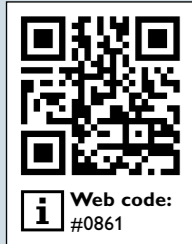
2 Specify the version/type

C   E

A   B   F   D

Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

Housing color options (RAL color system):
▢ 7035
Other colors available on request.

HC-ALU profile housings for mobile applications

Robust aluminum profile housings from the HC-ALU series protect electronics from splash water as well as thermal and mechanical influences in the field. These field housings are ideal for temperature ranges from -40°C to +70°C and provide IP65 dust and splash water protection in accordance with DIN EN 60529.

Web code: #0861

Aluminum press-drawn section

Recessed front for flush integration of membrane keypads

Soft-edge design

Dust and splash water protection in accordance with the IP65 degree of protection

Your advantages

Robust, split-aluminum profile for lightweight modules ensures reliable use in demanding conditions
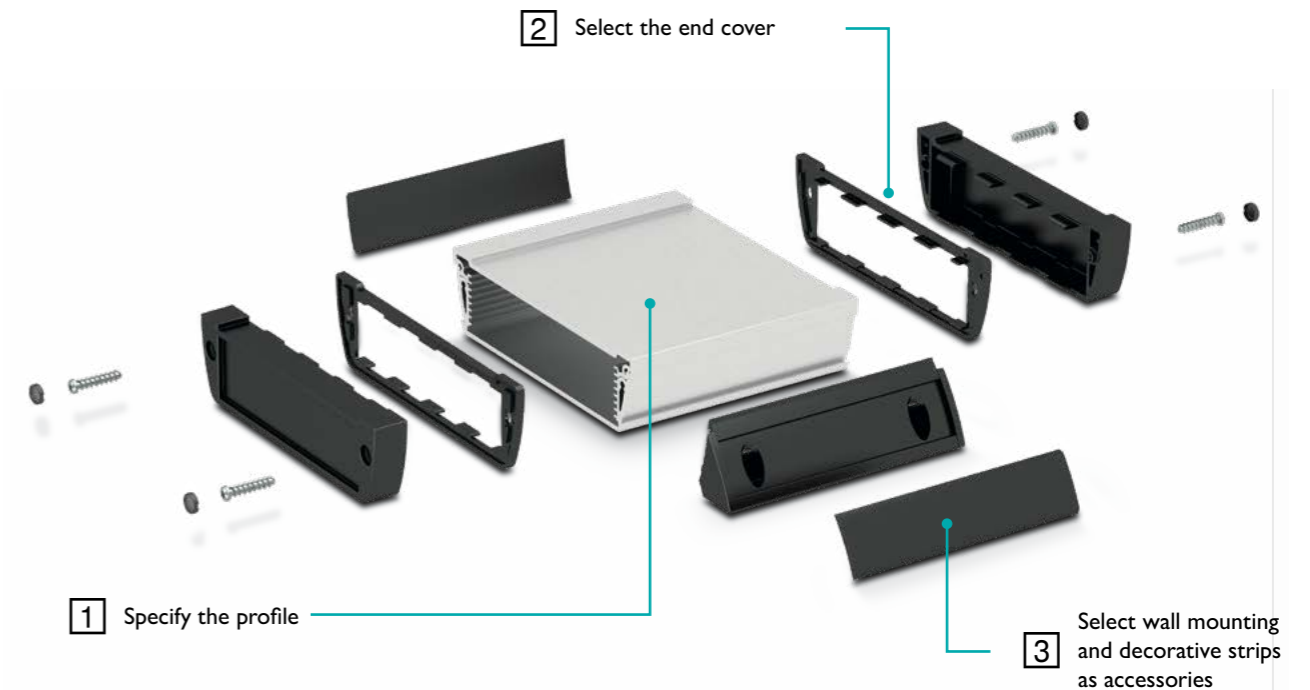

Simple integration of displays, custom membrane keypads and front plates allows versatile deployability

Wall mounting for stationary applications

Configure your product the way you want

2 Select the end cover

1 Specify the profile

3 Select wall mounting and decorative strips as accessories

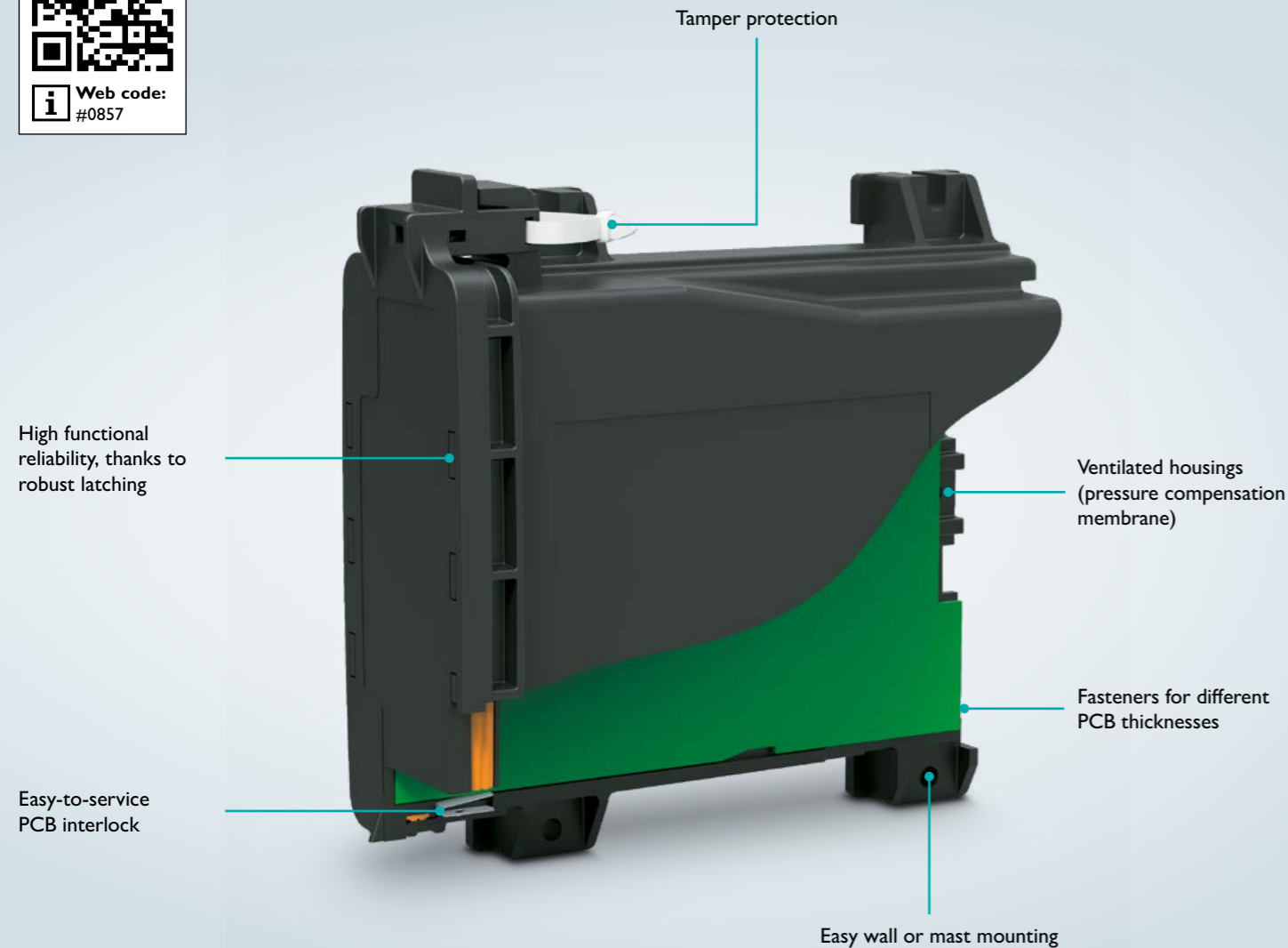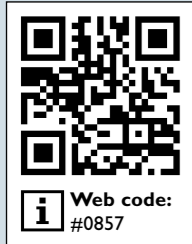### Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

Test the HC-ALU series and contact your sales contact person (sample set: 52002014).

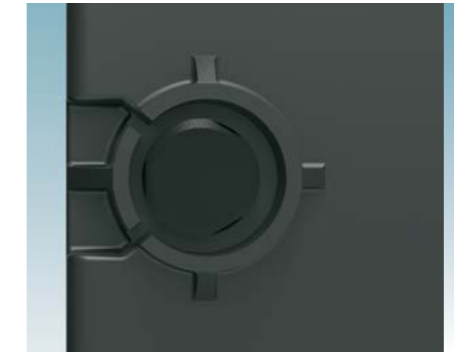# ECS outdoor housings for harsh conditions

Robust outdoor housings from the ECS series are the ideal solution for protecting sensitive electronics used in indoor and outdoor applications from dust, dirt, and water. Thanks to the IP65 to IP69 degrees of protection and a wide temperature range of -40°C to +100°C, the housings are ideal for challenging ambient conditions.

Web code:
#0857

Tamper protection

High functional reliability, thanks to robust latching

Ventilated housings (pressure compensation membrane)

Fasteners for different PCB thicknesses

Easy-to-service PCB interlock
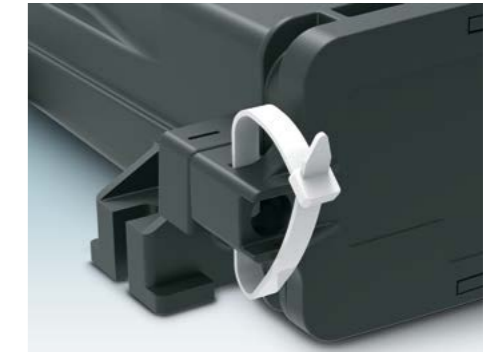
Easy wall or mast mounting

Your advantages

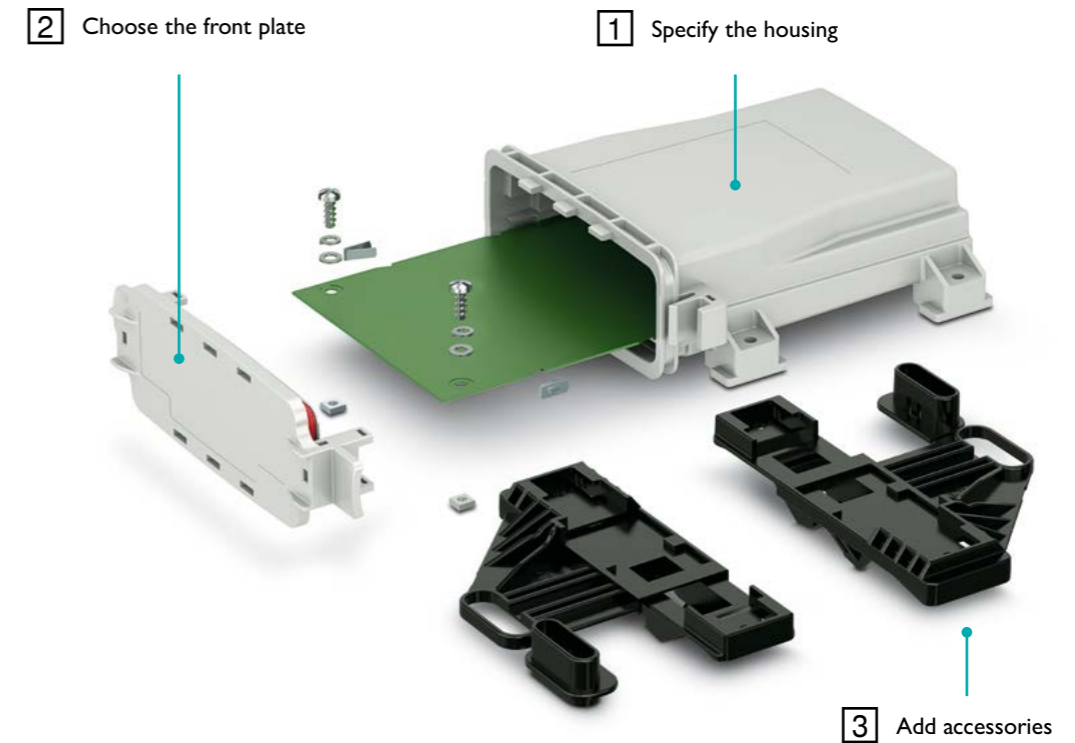Integrated interlock to protect against unintentional release of the PCB

Optional pressure compensation membrane for vented housing designs

Protection against tampering, thanks to a simple lead seal

Configure your product the way you want

2 Choose the front plate

1 Specify the housing

3 Add accessories

Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

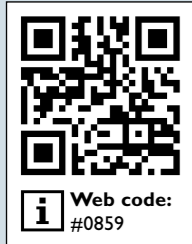Housing color options (RAL color system):
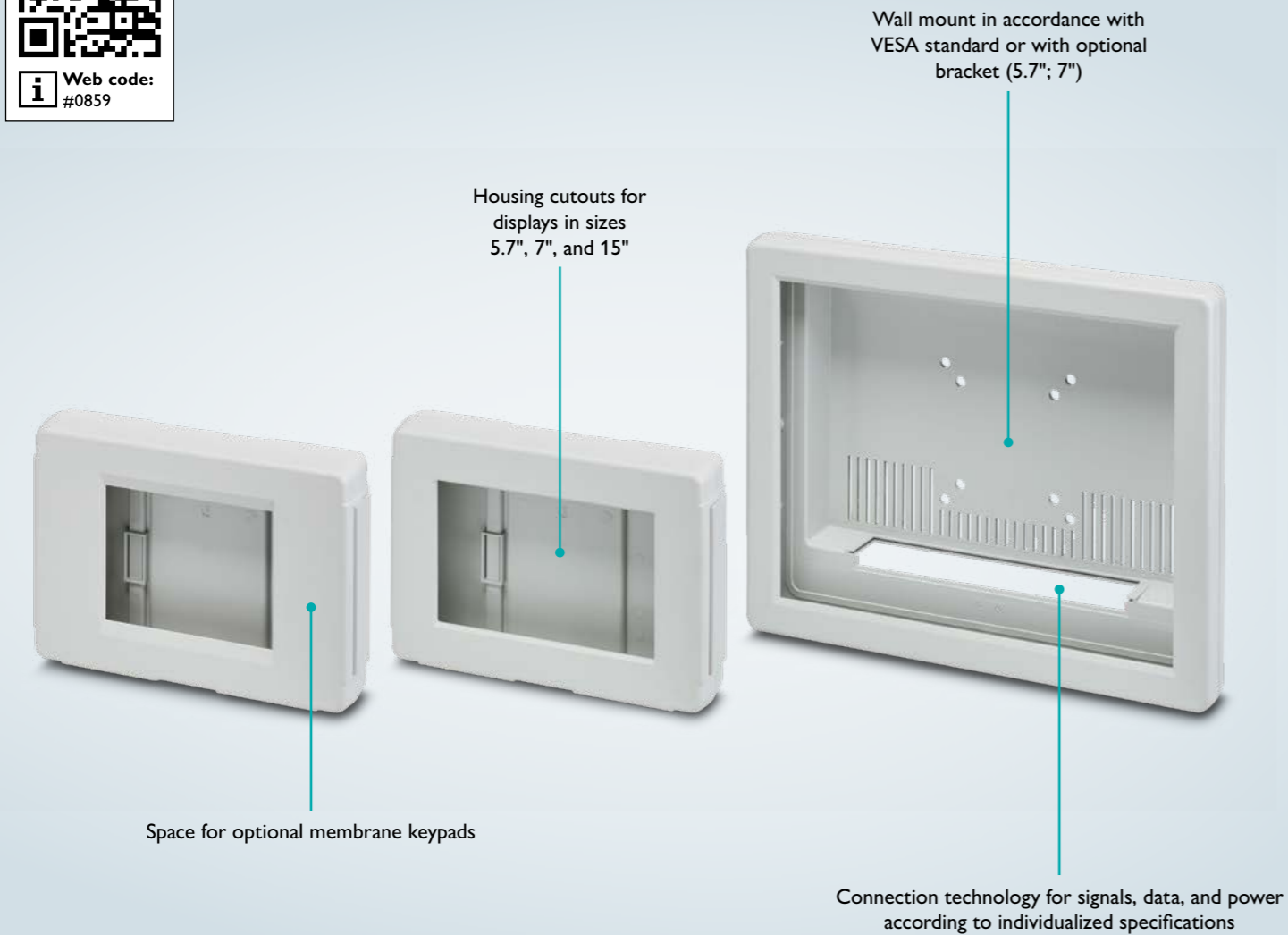■ 9005 ■ 7042
Other colors available on request.

Test the ECS series and contact your sales contact person (sample set: 52008541).

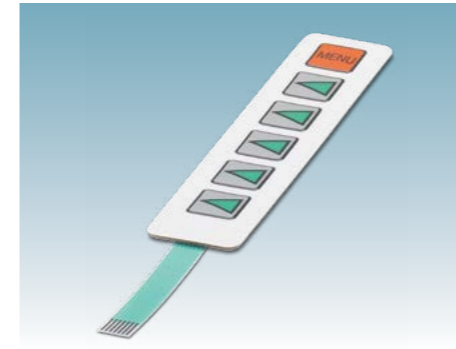# DCS display carrier system for industrial applications

Display carriers from the DCS series integrate TFT displays of different sizes. They reliably protect mobile and stationary electronics from mechanical effects as well as dust and splash water. Optional membrane keypads and displays help you implement human-machine interfaces for data input and display that are suited to your application.

Web code:
#0859

Wall mount in accordance with VESA standard or with optional bracket (5.7"; 7")

Housing cutouts for displays in sizes 5.7", 7", and 15"

Space for optional membrane keypads

Connection technology for signals, data, and power according to individualized specifications
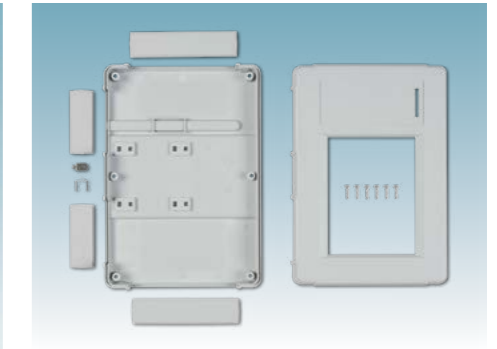
Your advantages

Membrane keypads fit perfectly, also available in custom specifications

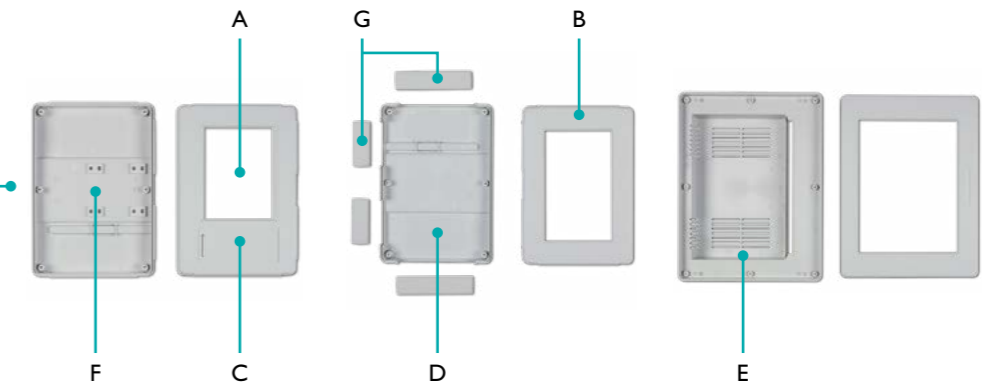Easy integration of displays with coordinated mounting kits

Standard versions for different device interfaces

Configure your product the way you want

1 Select the display size

2 Specify design

A G B

F C D E

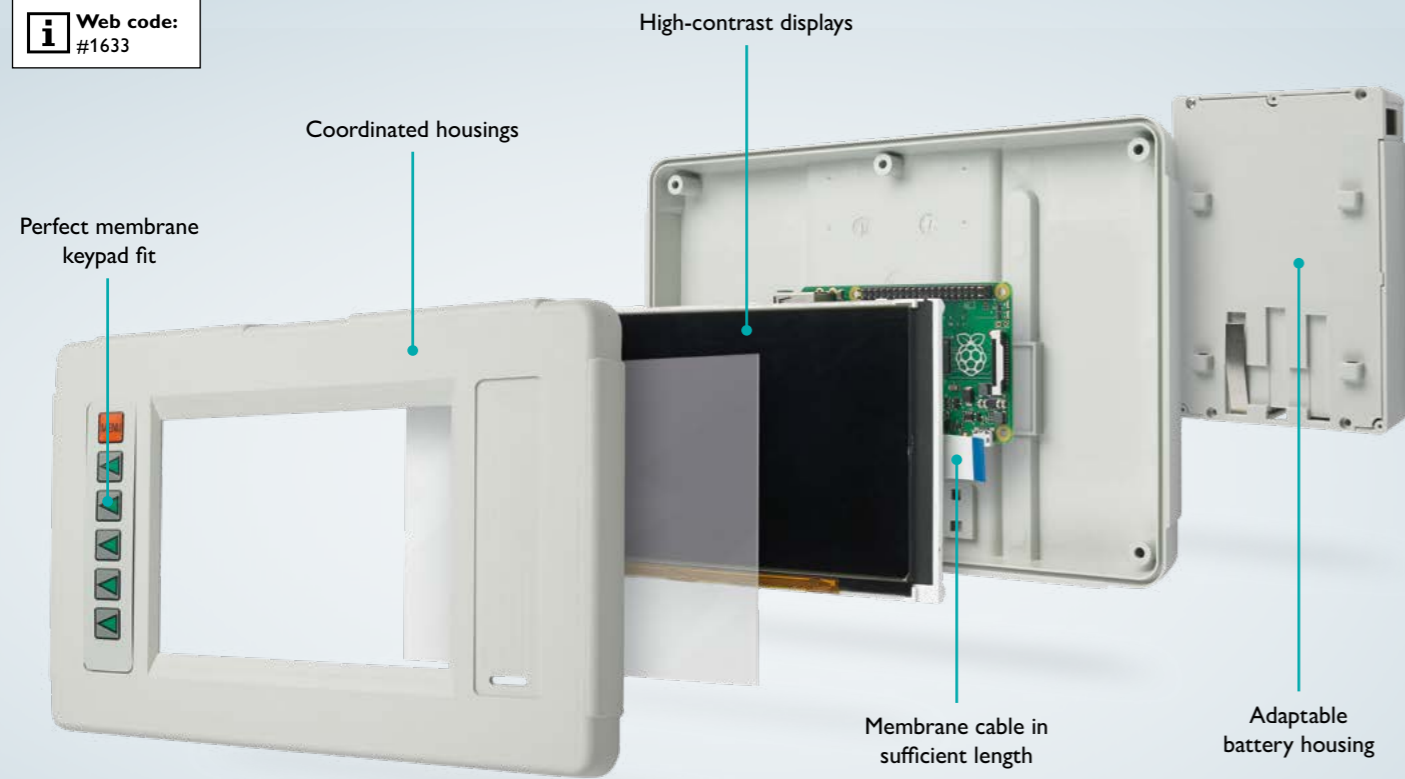### Go directly to the online configurator

Just enter the web code into the search field on our website.

Web code: #0512

Housing color options (RAL color system):
▢ 7035
Other colors available on request.

HMI components and accessories

Highly automated production processes require user-friendly interfaces between the operator and the machine. Displays, membrane keypads, and light guides turn various electronics housings into functional display and operating elements.

Web code:
#1633

High-contrast displays

Coordinated housings

Perfect membrane keypad fit

Membrane cable in sufficient length

Adaptable battery housing

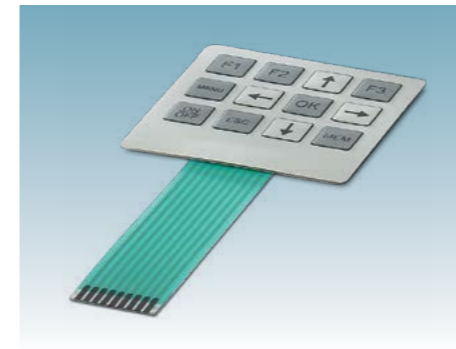## HMI components and accessories for electronics housings

High-contrast TFT displays with additional mounting material for installation in electronics housings
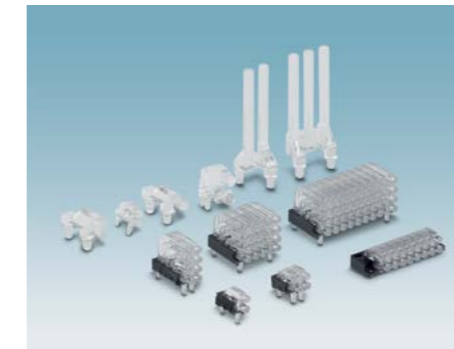
Display holders in different color versions for tool-free installation in the housing ranges ME, ME MAX and ME-IO

Capacitive touch displays for installation in electronics housings

Membrane keypads for the housing ranges DCS, HCS, HC-ALU and UM-ALU, individual design can be configured digitally.

Light guides in horizontal and vertical versions, for round or rectangular status and diagnostic indicators.

Swivel wall and profile brackets for all monitors with standardized VESA interfaces
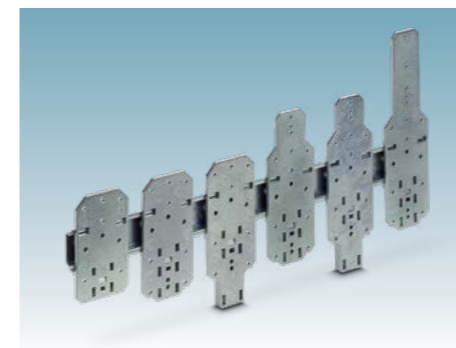
UTA DIN rail adapters for universal device mounting

Shield connection clamps for direct shield connection to conductive mounting plates

Metal and plastic base latches

Kits

1 BC 107,6 Designer Kit

	Description	Type	Order No.
	Contains BC 107,6 housing, PCB terminal blocks (MKDS), and breadboard/prototype PCB For more information visit **www.phoenixcontact.com/bckit**	BC Designer Kit	1036755

2 ME MAX 22,5 Designer Kit

	Description	Type	Order No.
	Contains ME MAX 22,5 housing, PCB plugs and headers (MSTB), and breadboard/prototype PCB For more information visit **www.phoenixcontact.com/memaxkit**	ME MAX Designer Kit	1037058

3 ME 22,5 Designer Kit

	Description	Type	Order No.
	Contains ME 22,5 housing, PCB plugs and headers (MSTB and PSPT), and breadboard/prototype PCB For more information visit **www.phoenixcontact.com/mekit**	ME Designer Kit	1037061

4 EH Designer Kit

	Description	Type	Order No.
	Contains EH 45 Flat housing, PCB terminal blocks (MKDS 3), and breadboard/prototype PCB For more information visit **www.phoenixcontact.com/ehkit**	EH Designer Kit	1036922

5 ME-IO Designer Kit

	Description	Type	Order No.
	Contains ME-IO 18,8 housing, PCB plugs and headers (HSC), and breadboard/prototype PCB For more information visit **www.phoenixcontact.com/meiokit**	ME-IO Designer Kit	2203063

6 UM-BASIC 108 Development Kit

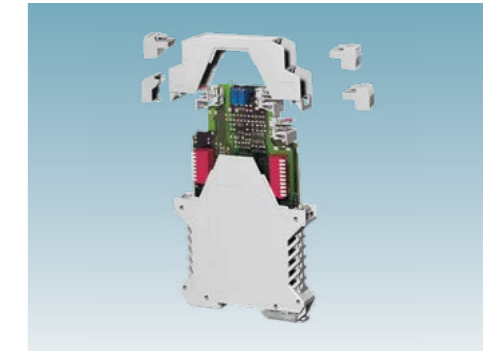|	Description	Type	Order No.
	Contains UM-BASIC 108 mm wide, 10 cm long profile and PCB terminal blocks (SMKDS)	UM-BASIC 108 100MM DEV-KIT KMGY	2202528
	Breadboard/prototype PCB	UM-BASIC 108/32 DEV-PCB	2202551

Development kits for prototype building and short-run production [1]
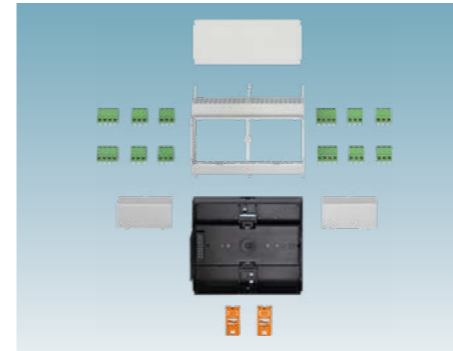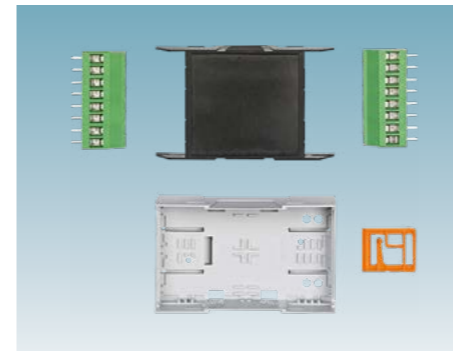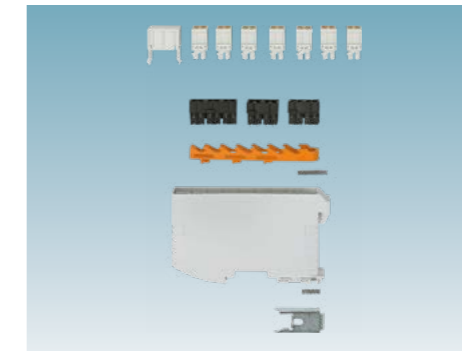

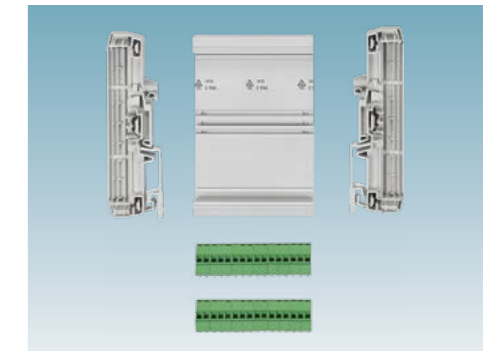1 BC 107,6
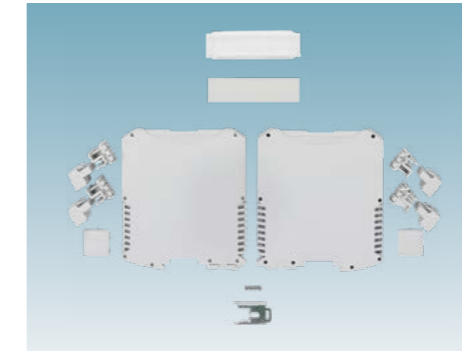
2 ME-MAX 22,5 2-2

3 ME 22,5

4 EH 45 FLAT

5 ME-IO 18,8

6 UM-BASIC 108 100MM

[1] PCB with hole pattern
Development kit contains housing and connection technology for an operational module
Specific bus connectors available

Services for customizing your housings

Phoenix Contact creates customized housings with matching connection technology for you, regardless of whether you use a screw or spring connection. We offer professional support, from the modification of a standard product all the way to developing a completely new product.

Web code: #0685

Color versions

Customer-specific machined holes

Laser marking with bar code and serial number

Pad printing for logos and markings

Screen printing for multicolored surface printing

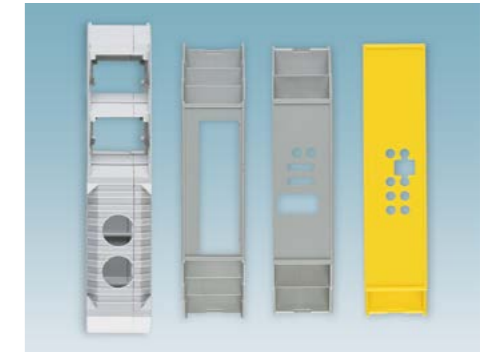## Your options for customization

Individual color versions
To maximize the recognition factor, housings can also be produced in other colors.

Mechanical processing
Customer-specific breakouts can be made in the housings with our state-of-the-art milling machines.
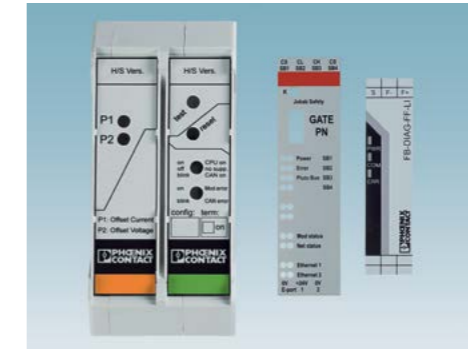
Tool modification
For large volumes, an injection molded version is often more cost-effective than mechanical post-processing.

Pad printing
Pad printing is ideal for cost-effective printing of logos, texts, and circuit diagrams.

Screen printing
Screen printing is suitable for space-filling and multicolored printing with brilliant colors or color gradients.

Laser marking
The resilient laser marking is suitable for bar codes, data matrix codes, and QR codes in harsh environments.
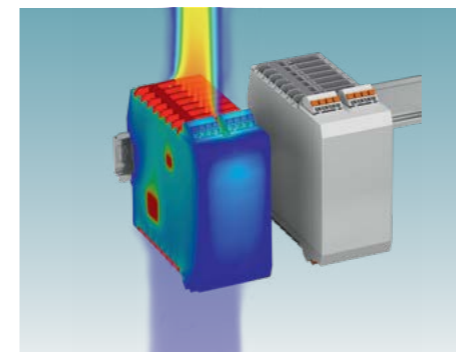
Thermal management
In thermally demanding applications, the generation of heat can be simulated in the development process.

Customized front design
With the ICS Cover Designer, you can create customized ICS series housing covers and have the production of prototypes carried out using 3D printing processes.

Individual membrane keypads
Customer-specific keys or membranes can be designed digitally with pad or digital printing.

New customer-specific product developments

Do you have specific requirements for a unique new product? We can support you with our expertise in the development, production, and quality assurance of your customized solution. We rely on our product technology and development processes that have proven successful for many years.

Your advantages

- ☑ Expert consultation on product requirements
- ☑ Detailed design of your preferred concept
- ☑ Development of the ideal production concept
- ☑ Product qualification at our in-house laboratory
- ☑ Certification of the solution for your application
- ☑ Targeted project management up to the start of series production

The path to your new customer-specific development

Concept development

We work together with you to determine the requirements for your product. We address challenges early on and guarantee an efficient development.

Design

Preliminary clarification is followed by designing and implementing prototypes. What we learn from prototyping is then taken into consideration when we create the final product.

Production setup

We use our global network to find the ideal location for your requirements. You get the highest product quality, thanks to ideal manufacturing performance.

Quality assurance

We carefully test your product in all manufacturing phases. We ensure this with intensive testing before the series release and with production-related checks.

Series production

We produce your products according to your requirements and the latest quality standards. Series production is lucrative for you even for low quantities.

Logistics

Efficient logistics for your satisfaction: we deliver the finished product to you on schedule and according to your wishes.

In-depth expert knowledge in all project phases

Our philosophy is to master and advance all development, manufacturing, and assembly processes. This helps us to guarantee a consistently high quality and delivery reliability. Take advantage of our years of expertise. Whether it's power transmission, protected solutions for outdoor use, or industrial housings in your desired design – we offer you a product design developed specifically for your needs.
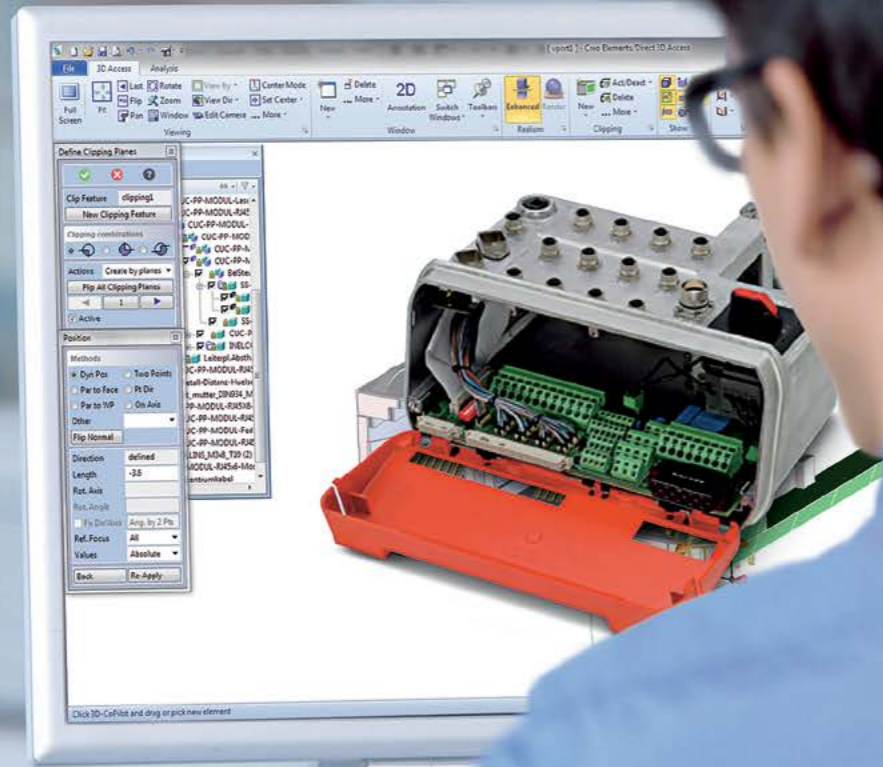
Our main areas of expertise at a glance

Connection technologies
Rigid or flexible conductors, large or small cross sections, with or without a ferrule: we have the solution for every requirement.
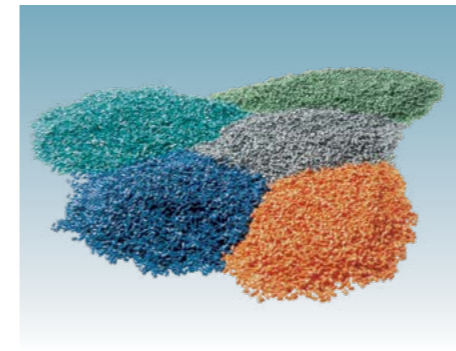

Contact technology
Signals, data, high power, or use in harsh environments – whatever you need, we have the right contacts.

Metal housings, die-casting technology
Metal housings are ideal for industrial applications, due to their robustness and excellent shielding.

Plastics technology
Choose from a large variety of plastic materials and colors. We assist you with selecting the plastic.

Injection-molding production
Our injection-molding technology offers you nearly limitless design options for surfaces. Even small quantities are lucrative for you.

IP protection
Whether molded solutions or molds for outdoor applications: our seal systems also satisfy the requirements for high degrees of protection.

Simulation
State-of-the-art simulation methods provide us with insight and understanding right down to the smallest detail. We test your product intensively, starting in the early stages of development.

Prototype construction
We deliver prototypes with up to 100% capability – including additive manufacturing with 3D printing from PROTIQ GmbH.

Certifications
International approvals and certificates, including the UL standard, attest to the suitability of our products.

Ongoing communication with customers and partners worldwide

Phoenix Contact is a global, market leader based in Germany. Our group is known for its future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation.

With a global network reaching across more than 100 countries and 17,400 employees, we can stay in close contact with our customers, something we believe is essential to success. The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for multiple applications and industries. We especially focus on the fields of energy, infrastructure, process, and factory automation.

You will find our complete product range at:

www.phoenixcontact.com

USA
Phoenix Contact USA, Inc.
P.O. Box 4100
Harrisburg, PA 17111-0100
Phone: 800-888-7388
                         717-944-1300
Technical Service: 800-322-3225
Fax: 717-944-1625
E-mail: info@phoenixcon.com
Website: www.phoenixcontact.com

Canada
Phoenix Contact, Ltd.
8240 Parkhill Drive
Milton, Ontario L9T 5V7
Toll Free: 800-890-2820
Phone: 905-864-8700
Fax: 905-864-7900
E-mail: cdinfo@phoenixcontact.ca

Mexico
Phoenix Contact
Rafael Sanzio # 168-A, Tercer Piso
Colonia Residencial La Estancia
Zapopan Jalisco
Phone: +52 55 110111380
Fax: +52 55 55310194
E-mail: ventas@phoenixcontact.com.mx

PHŒNIX CONTACT
INSPIRING INNOVATIONS