



2015/2016

## Electronics housings

# Electronics housings for industrial, building and field applications

Complete flexibility in terms of shape, color, and function – this is the central idea behind electronics housings from Phoenix Contact. Whether on the wall, as handheld housing or on the DIN rail, from light gray to sky blue, narrow or wide – you will always find the right housing with the appropriate connection technology for your electronics.

## Building installation housings

- Housing design in accordance with DIN 43880 for distributor boards
- High-position DIN rail connector for contacting individual devices
- Simple integration of different connection technology from Phoenix Contact



## Field housings

- Protect your electronics from dust and splash water
- Universal or permanently integrated connection technology
- Comprehensive accessory range, including individual membrane keypads
- Customer-specific housing modifications in terms of shape and color





## Electronics housings for industrial use

- Comprehensive standard housing range for DIN rail mounting
- Universal or permanently integrated connection technology
- Comprehensive selection of individual adaptations to the electronics housing in terms of shape, color and geometry



## Contents

### Basic housings

EH series Pages 4 – 5

### Modular housings

ME series Pages 6 – 7  
ME-MAX series Pages 8 – 9

### Multifunctional housings

ME-IO series Pages 10 – 11  
ME-PLC series Pages 12 – 13

### Building installation housings

BC series Pages 14 – 15

### Press-drawn section housings

UM-BASIC series  
UM-PRO series Pages 16 – 17  
UM-ALU series Pages 18 – 19

### Field housings

HC-ALU series Pages 20 – 21

### Product and configuration overview

Pages 22 – 57

### Customer-specific electronics housings

Pages 58 – 59

### Find out more with the web code

You can find web codes in this brochure: a pound sign followed by a four-digit number combination.



**Web code:** #1234 (example)

This allows you to reach information on our website quickly.

#### It couldn't be simpler:

1. Go to the Phoenix Contact website
2. Enter # and the number combination in the search field
3. Receive more information and product versions

#1234

Search

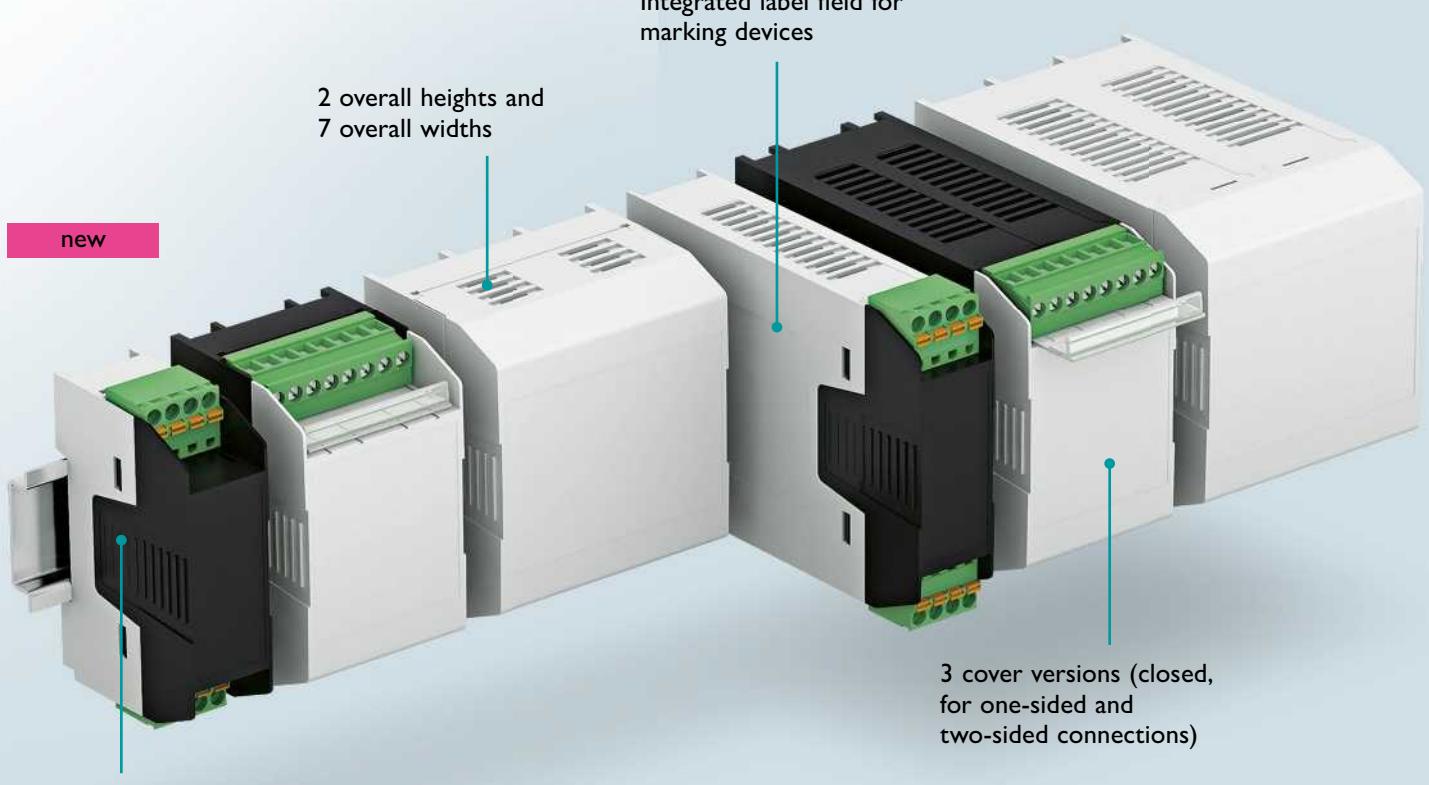
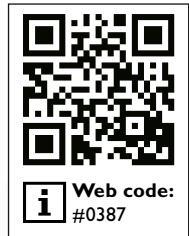


Or use the direct link:

[phoenixcontact.net/webcode/#1234](http://phoenixcontact.net/webcode/#1234)

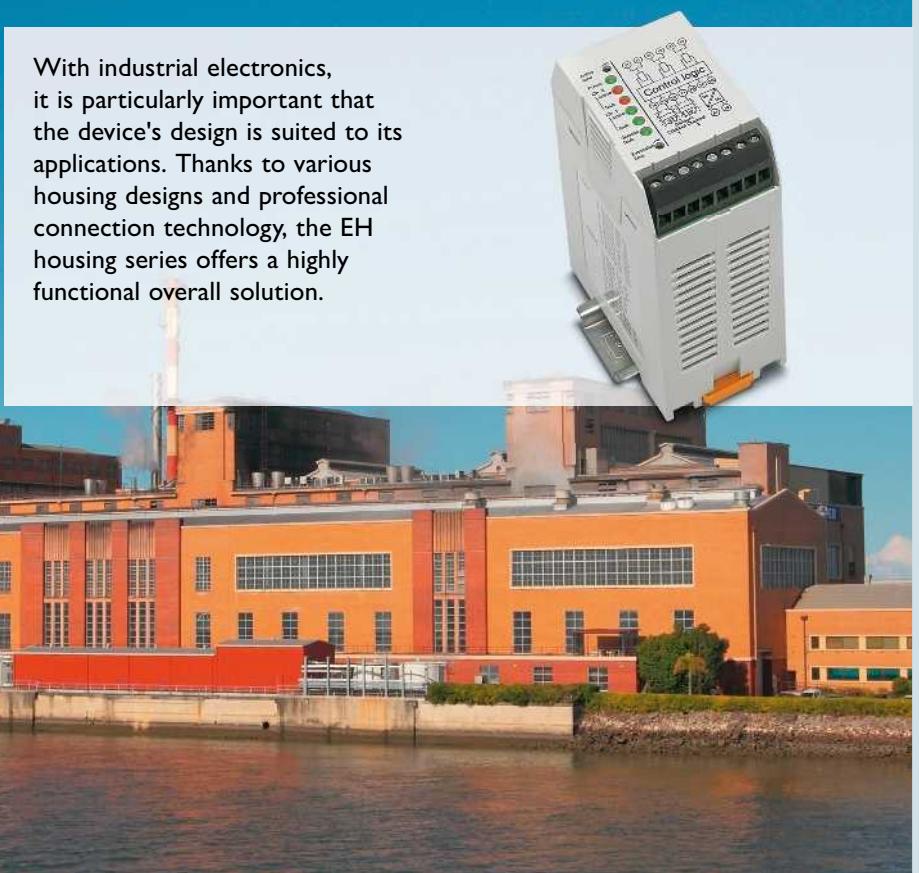
# EH basic housings for universal applications

The EH housing system makes it quite easy to design universal device applications. A range of 7 overall widths, 2 overall heights and 3 cover versions provide over 100 possible combinations.



Housing parts snap together without the need for tools

With industrial electronics, it is particularly important that the device's design is suited to its applications. Thanks to various housing designs and professional connection technology, the EH housing series offers a highly functional overall solution.



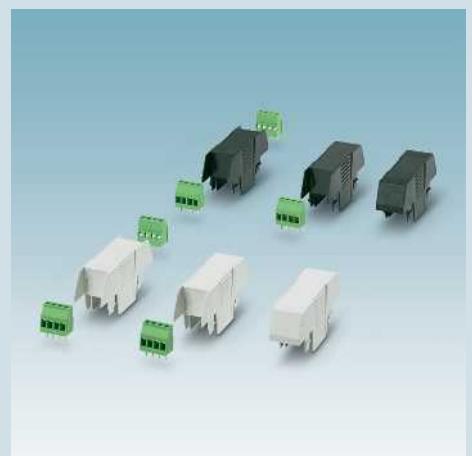
## Advantages at a glance



PCBs can be installed in all three spatial directions



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



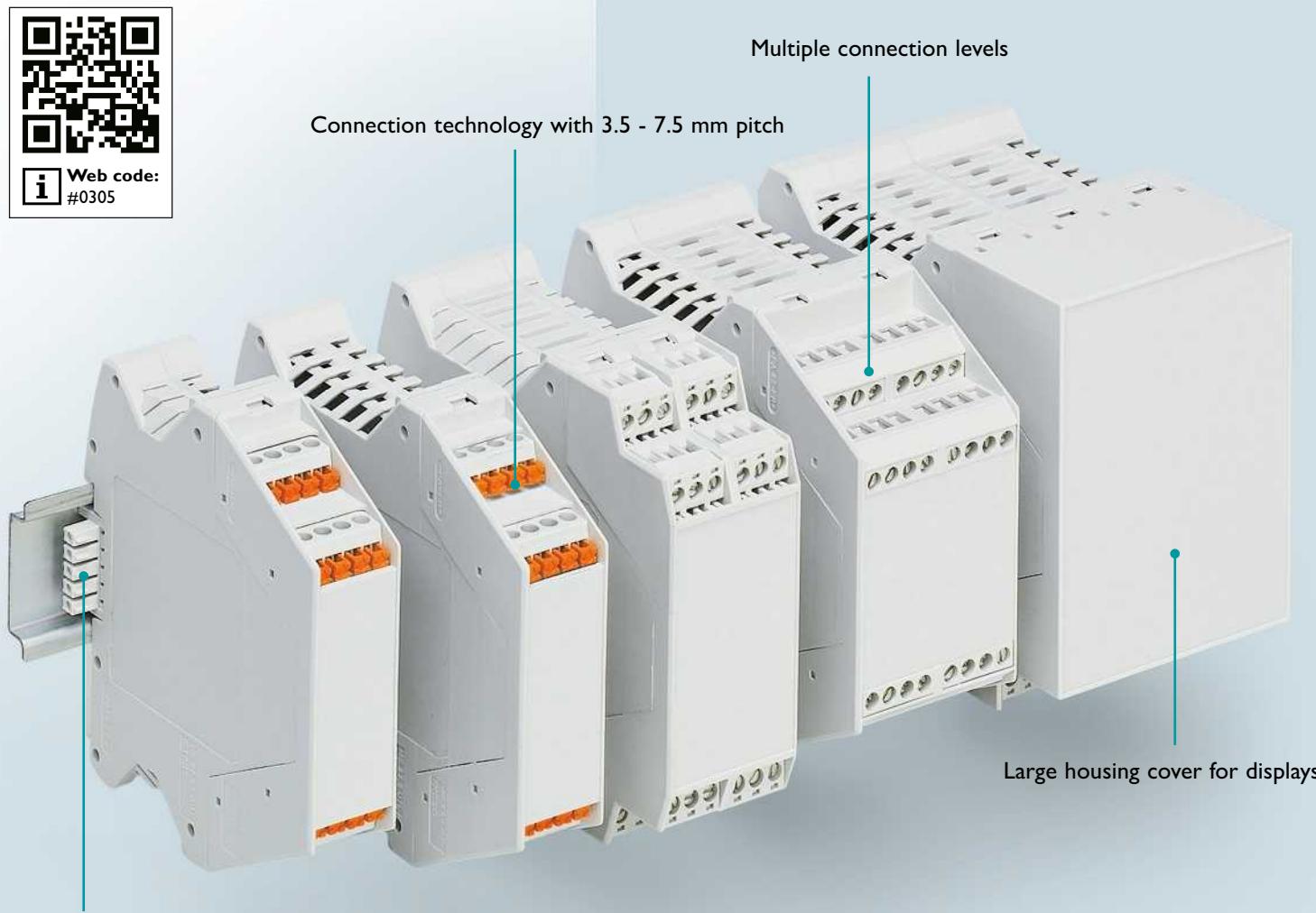
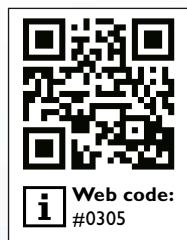
Cover versions for different PCB connection technology

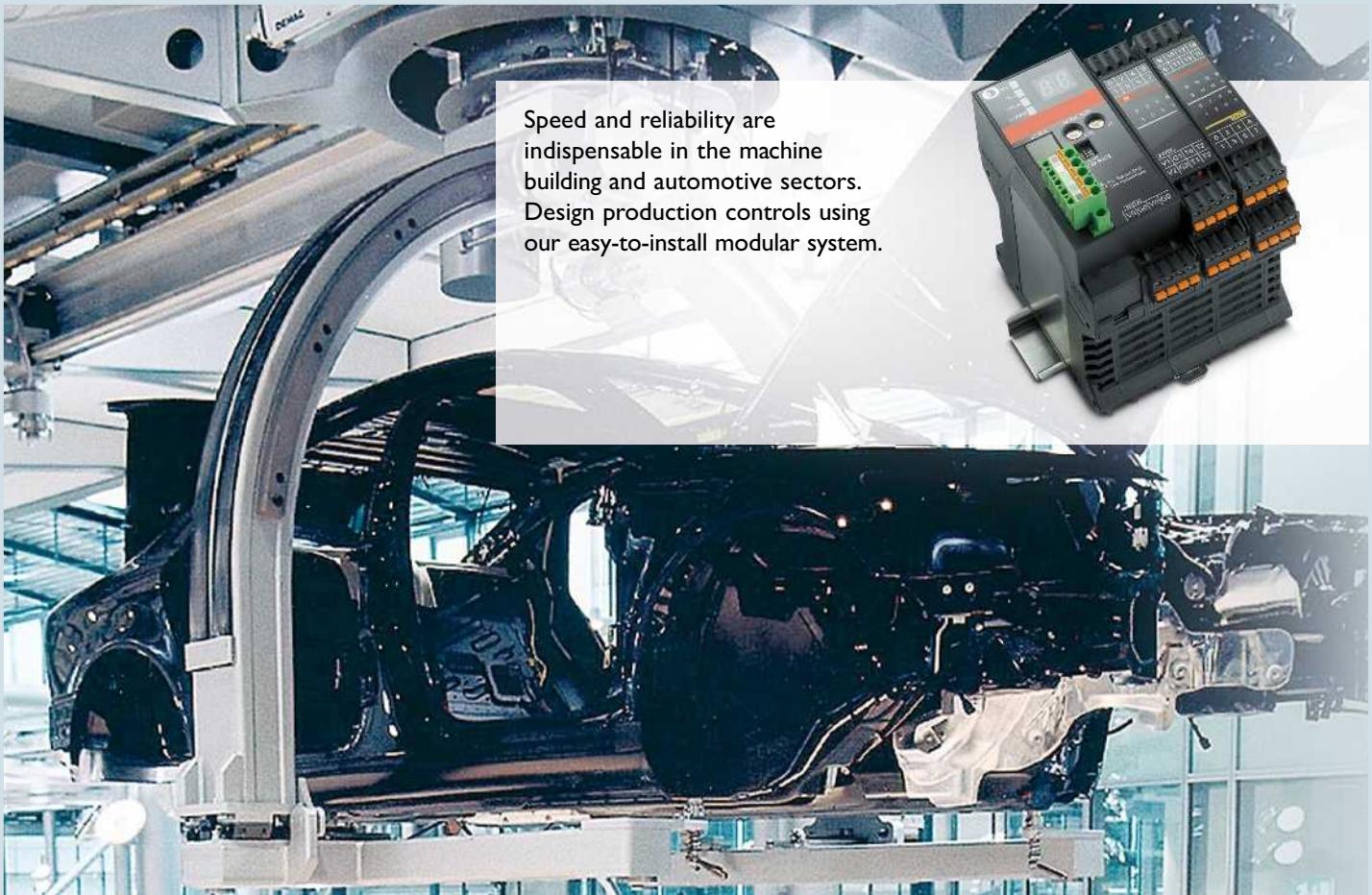
# Modular ME housings in an easy-to-install cup shape

The ME electronics housings 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.

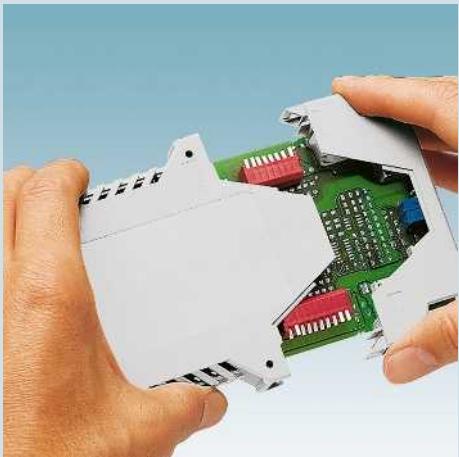




Speed and reliability are indispensable in the machine building and automotive sectors. Design production controls using our easy-to-install modular system.



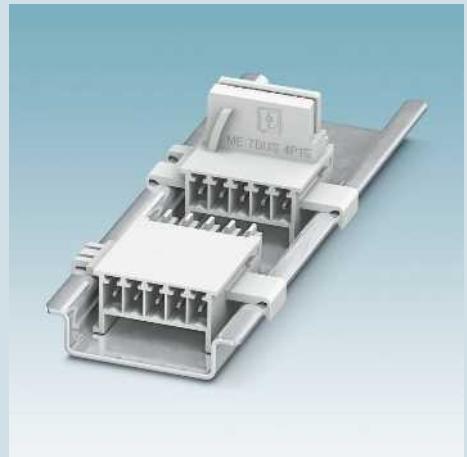
## Advantages at a glance



Cup principle for short assembly times



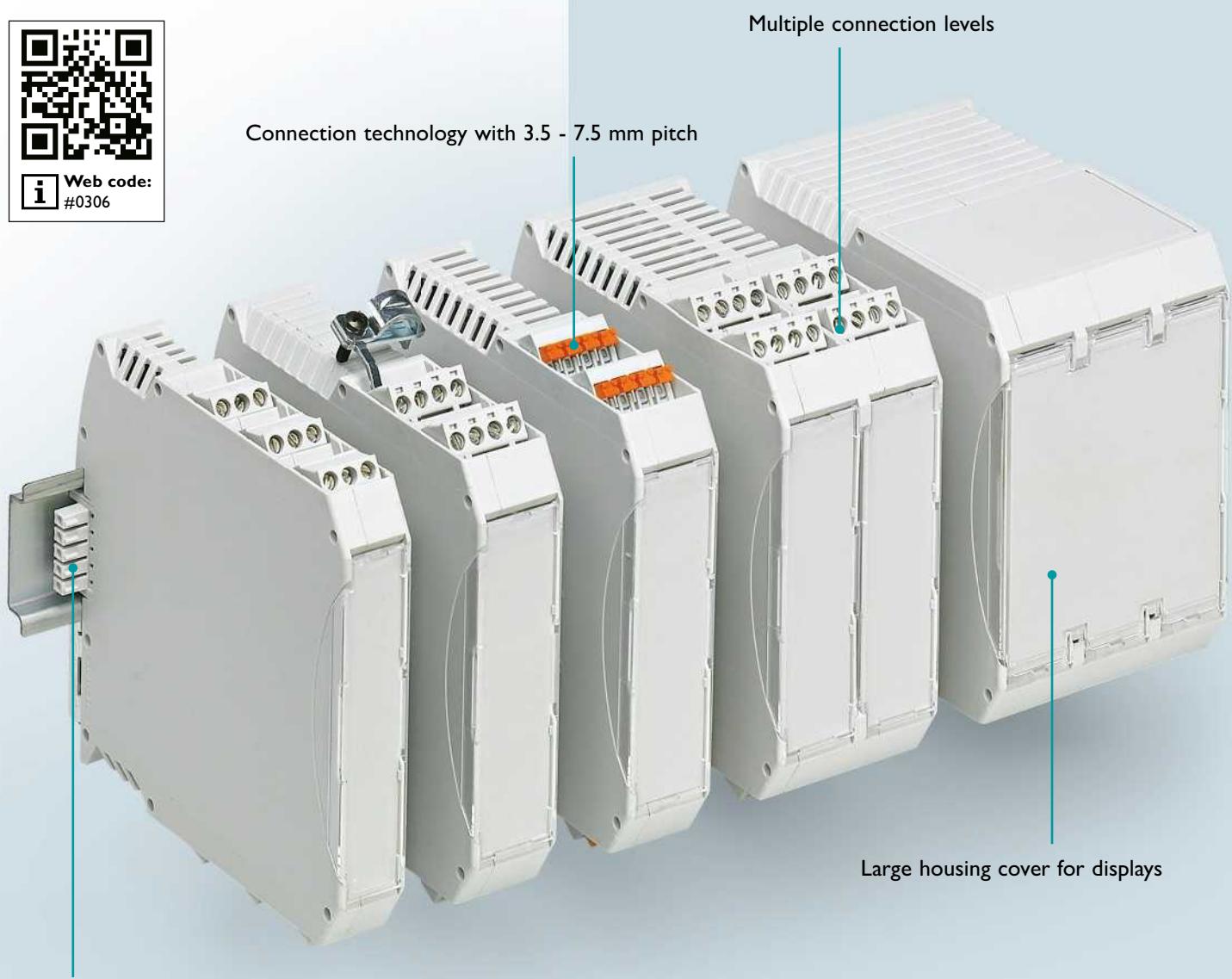
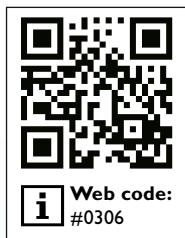
Easy opening for servicing and maintenance



DIN rail connector for reliable module contacting

# ME-MAX modular housings in flexible modular design

The modular ME-MAX electronics housings provide functional, design-oriented packaging for modern industrial electronics. Variable connection technology, bus connectors and modularity ensure the right device design for every application.



DIN rail connectors with up to 5 positions



## Advantages at a glance



Modular housing design for variable geometries



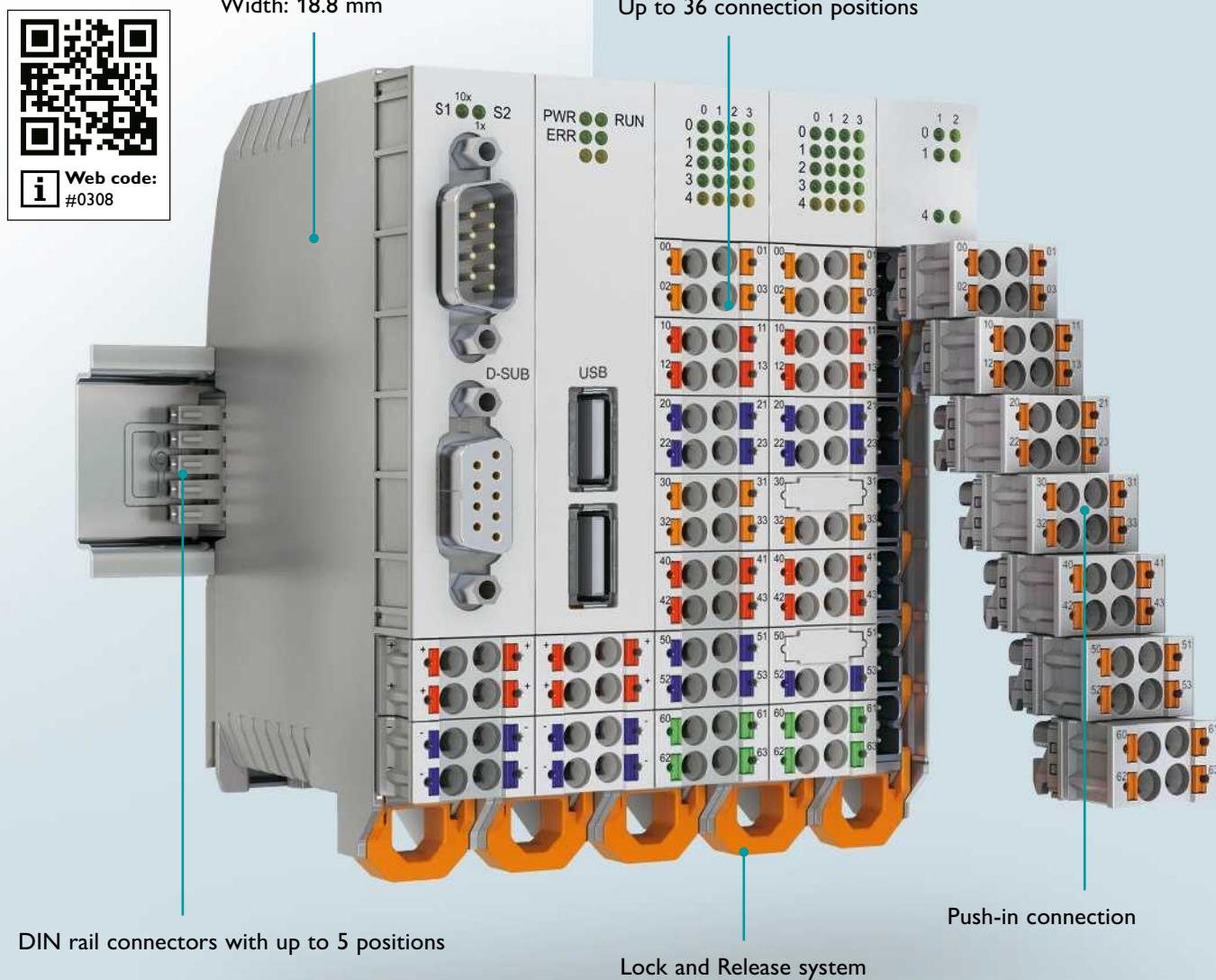
Connection technology for signal, data and power transmission



Power connectors for simple module contacting

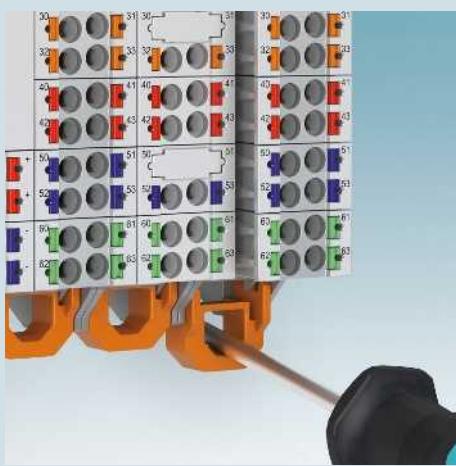
# ME-IO multifunctional housings with modular front connection technology

The ME-IO housing system is ideal for applications involving a cramped installation space. Its push-in front connection technology and compact design allow for the implementation of small devices with up to 36 positions.





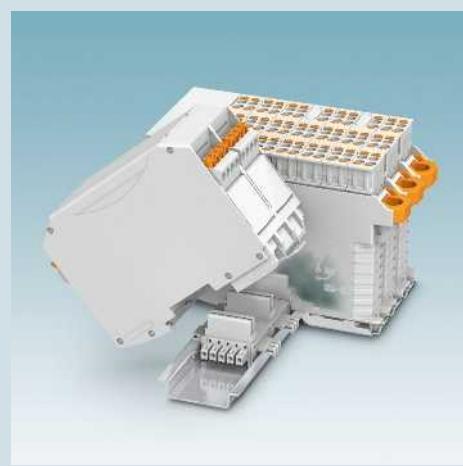
## Advantages at a glance



Easy installation and removal thanks to the Lock and Release system



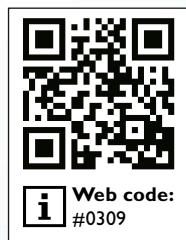
Avoiding incorrect connection through plug coding



Convenient connection of modules through DIN rail connectors

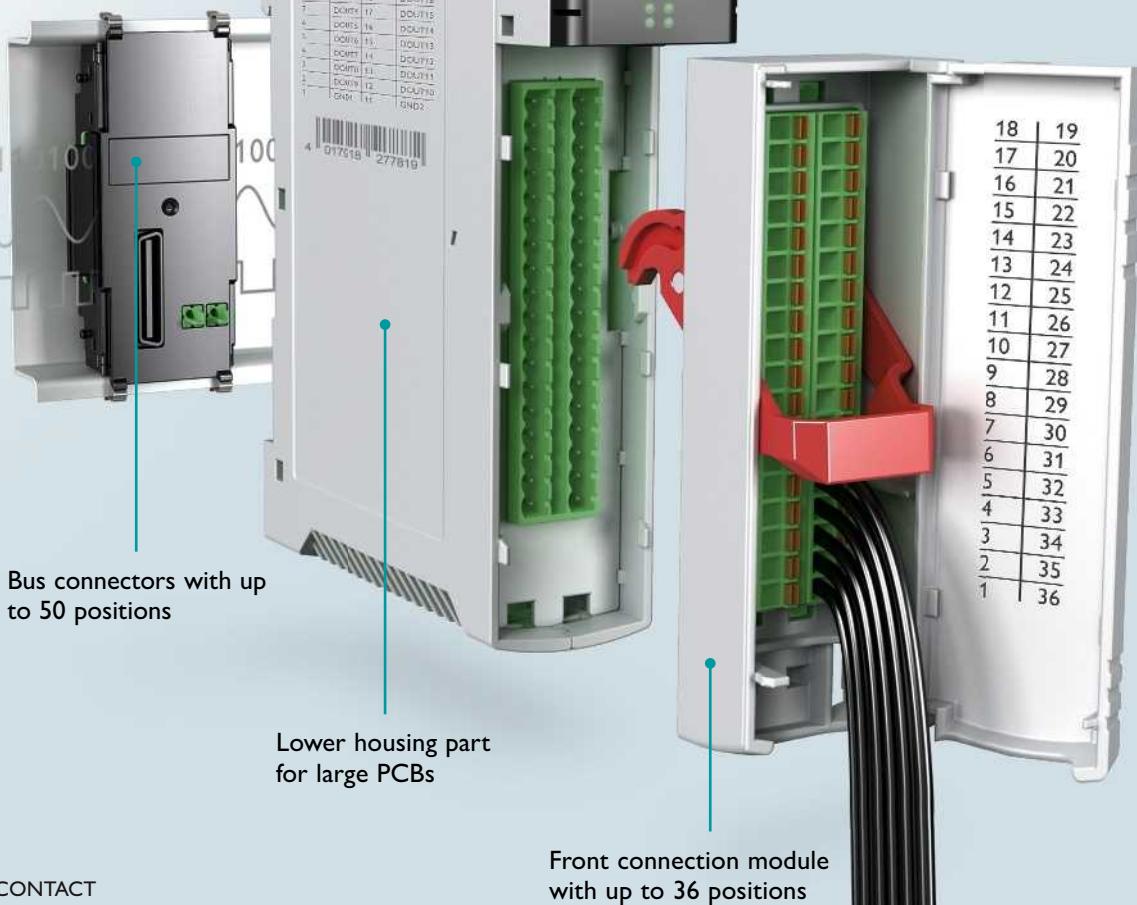
# ME-PLC multifunctional housings for complex controllers

The ME-PLC housing system is ideal for applications that require large installation spaces and front-side connection technology. When combined with a large PCB assembly surface and DIN rail connectors, this housing system offers a high level of functionality for a wide range of applications.



i Web code:  
#0309

105 mm





Full flexibility, lots of space for electronics and convenient connection options are ideal conditions for use in process technology.



## Advantages at a glance



Easy insertion and removal thanks to lever technology



DIN rail connectors for power and data communication

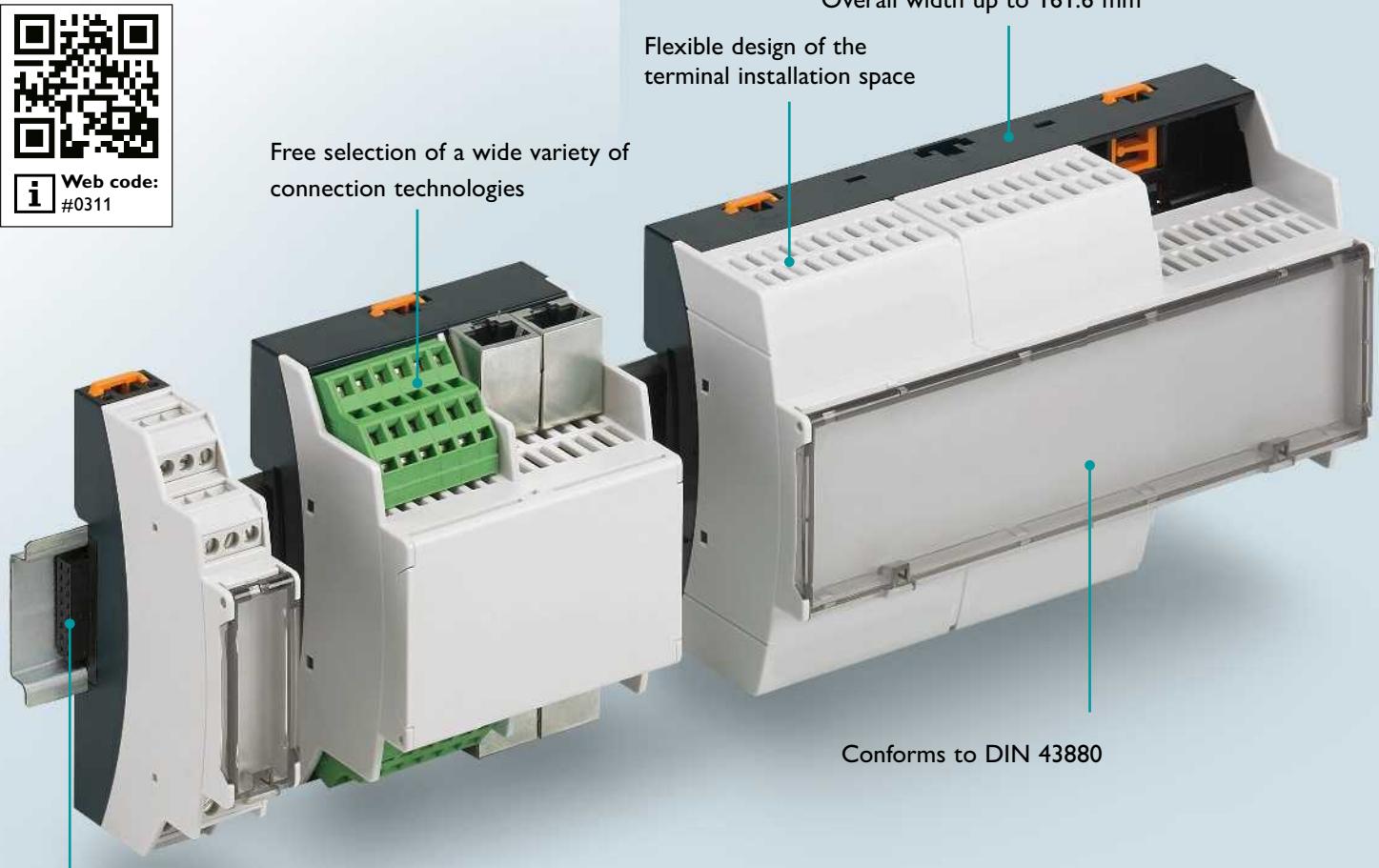
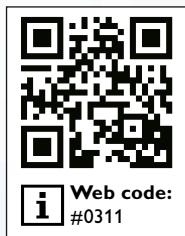


Universal cover design for freely selectable connection technology

# Modular BC building installation housings

The BC housing system represents future-oriented applications in building automation.

It can be used in any distributor board thanks to the internationally established DIN 43880 standard. In addition to a modern design, this housing series also features many connection technologies and a high-position DIN rail connector.





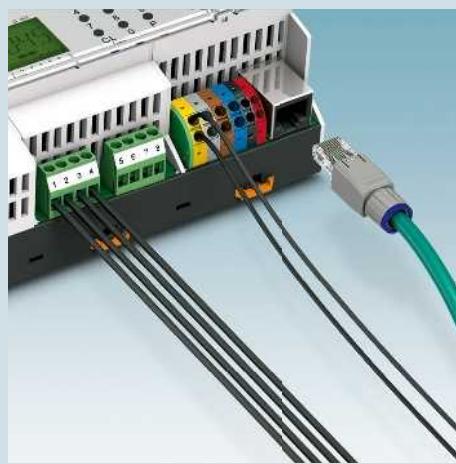
Integrate your electronics for building automation into modern housings from the BC series with the right connection technology.



## Advantages at a glance



Designed in accordance with DIN 43880  
for distributor boards



Free choice of connection technology

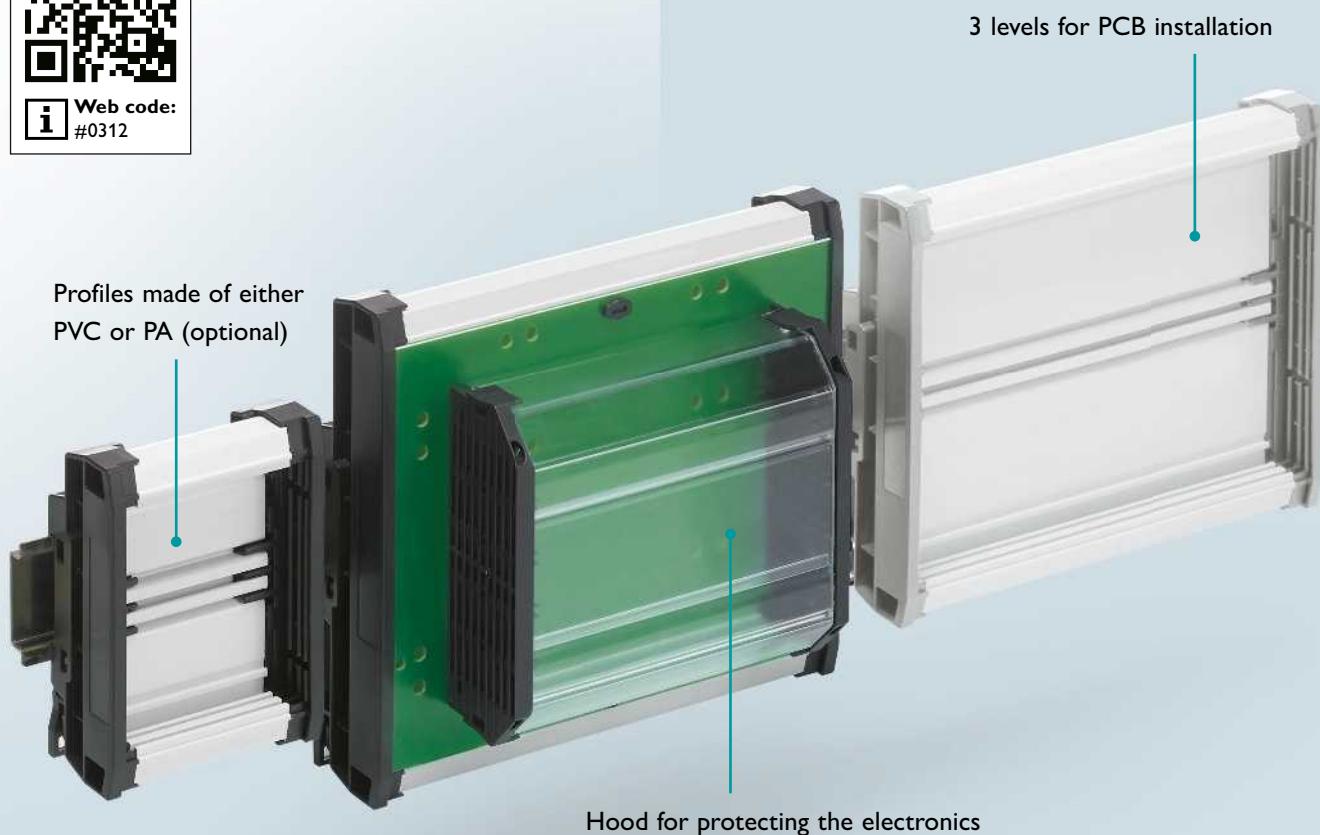
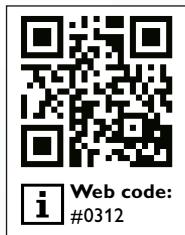


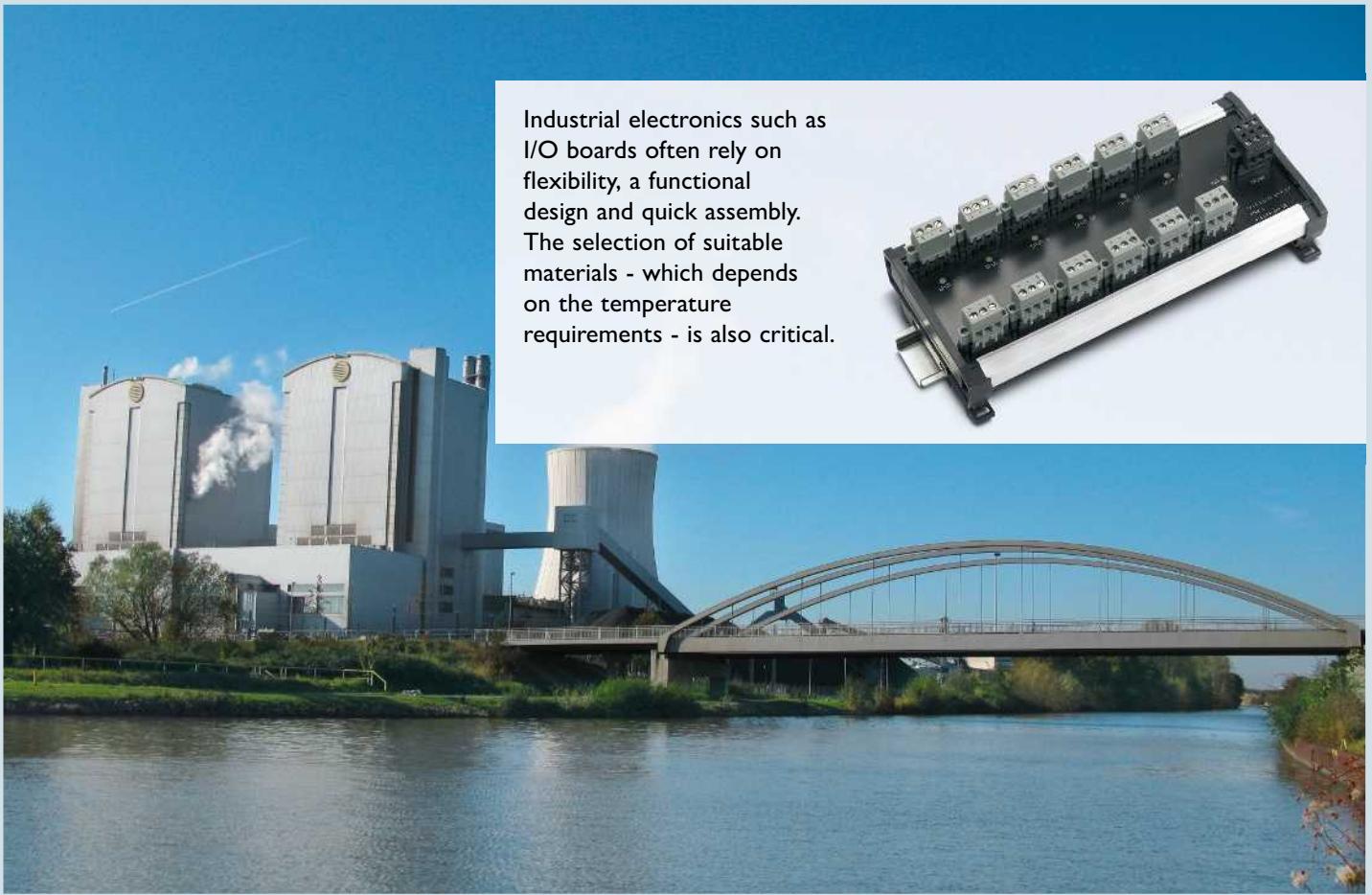
Connection of one device to the next in the DIN rail

# Flexible UM press-drawn section housings for customized PCB sizes

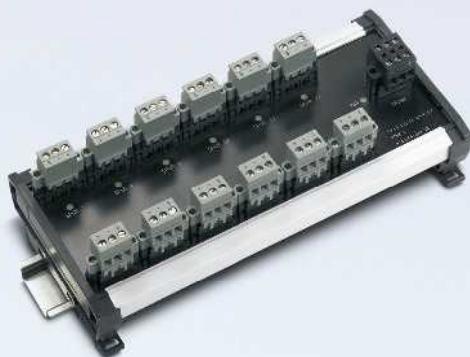
In modern and functional industrial electronics, large-scale components are often installed.

With fast mounting and availability in all dimensions, flexible housing systems such as the UM-BASIC and UM-PRO series have been designed especially with these applications in mind.





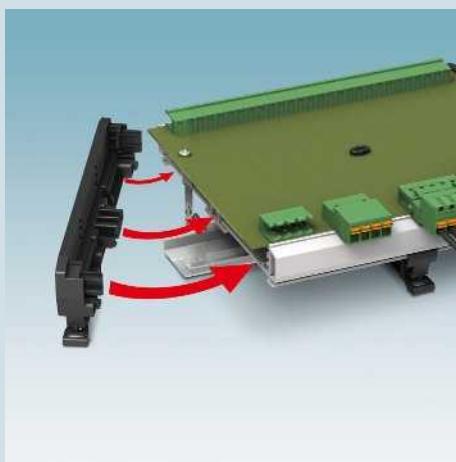
Industrial electronics such as I/O boards often rely on flexibility, a functional design and quick assembly. The selection of suitable materials - which depends on the temperature requirements - is also critical.



## Advantages at a glance



Two material versions for different temperature ranges: UM-BASIC 50 °C, UM-PRO up to 100 °C



Tool-free device assembly using the snap-mount principle

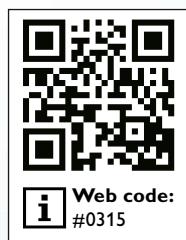


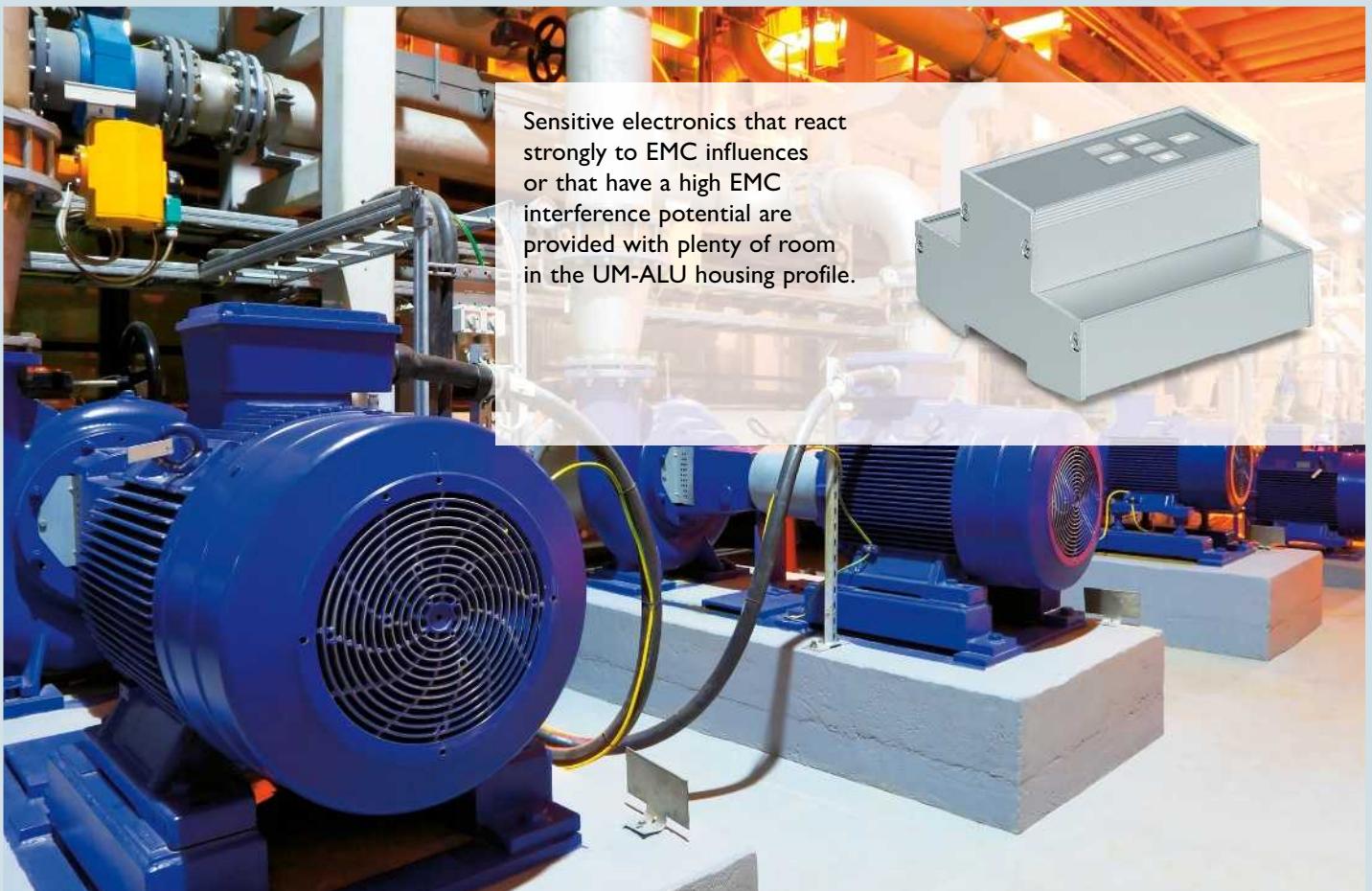
High degree of flexibility thanks to freely positionable covering hoods

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

In industrial areas with a high electro-magnetic interference potential, the requirements for EMC-sensitive electronics are stringent.

The UM-ALU housing system is made entirely of aluminum, offers excellent EMC protection and guarantees full flexibility in the assembly process.





Sensitive electronics that react strongly to EMC influences or that have a high EMC interference potential are provided with plenty of room in the UM-ALU housing profile.



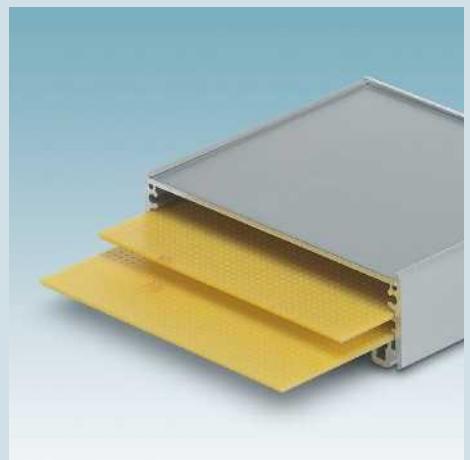
## Advantages at a glance



Made entirely of aluminum –  
EMC-protected and heat-resistant



Various covering hoods ensure optimum  
shock protection

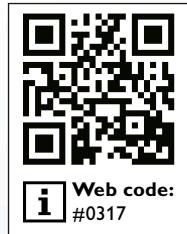


Flexible installation levels enable correct  
device development for your applications

# Rugged HC-ALU field housings for mobile applications

HC-ALU aluminum handheld housings protect electronics from splash water, as well as thermal and mechanical influences in the field.

The housings are ideal for temperature ranges from -40 °C to +70 °C and provide IP65 splash water protection in accordance with DIN EN 60529.





## Advantages at a glance



Divided profile for easy module integration

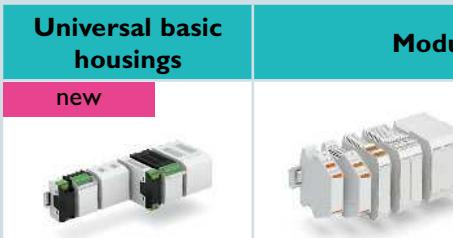


Individual modifications such as membrane keypads or display



Wall fastening for stationary applications

# Technical data of the electronics housings

|  |  | <b>Universal basic housings</b>   | <b>Modular housings</b>   |   | <b>Multifunctional housings</b>   |
|--|--|---|---|---|---|
|  |  | <b>new</b>  |   |   |   |
|  |  |  <a href="#">Web code: #0387</a> |  <a href="#">Web code: #0305</a> |  <a href="#">Web code: #0306</a> |  <a href="#">Web code: #0308</a> |
| Housing series   |  | EH  | ME  | ME-MAX  | ME-IO   |
| Mounting   | On DIN rail<br>DIN EN 60715                                | TS35  | TS35  | TS35  | TS35  |
|  | Other  | Wall mounting,<br>direct fastening  |   |   |   |
| Temperature range  | [°C]   | -40° ... +80°   | -40° ... +105°  | -40° ... +105°  | -40° ... +105°  |
| Degree of protection   | in accordance with<br>DIN EN 60529                         | IP20  | IP20  | IP20  | IP20  |
| Dimensions   | Width [mm]   | 22.5/35/45/52.5/67.5<br>70/90   | 12.5/17.5/22.5<br>35/45/67.5/90   | 6.2/12.5/17.5/22.5<br>35/45/67.5/90   | 18.8  |
|  | Depth [mm]   | 50/110  | 92/106/114.5  | 70.4/92/114.5   | 77  |
|  | Height [mm]  | 75.4  | 99  | 99  | 113   |
| PCB surface  | Max. usable surface [mm²]                                  | 5,600 to 7,200  | 2,000 ... 6,600   | 3,400 ... 8,500   | 3,370 ... 5,280   |
| Power dissipation  | Max. dissipated power [W]<br>in direct apposition          | 4.4 ... 10.4  | 5.2 ... 10.4  | 5.2 ... 8.2   | 2.8   |
| PCB connection   | Max. number of positions for<br>3.5 mm pitch               | 5 ... 21  | 5 ... 40  | 18 ... 120  |   |
|  | Max. number of positions for<br>5.0 mm pitch               | 4 ... 17  | 4 ... 32  | 8 ... 96  | 36  |
|  | Max. number of positions for<br>7.25 mm and 7.5 mm pitches |   | 3 ... 24  | 12 ... 72   |   |
| Bus connector  | Type   |   | DIN rail connector <sup>1)</sup><br>Integrated cross connection <sup>2)</sup>                                     | DIN rail connector <sup>3)</sup><br>Power bus connector (PCO) <sup>4)</sup>   | DIN rail connector  |
|  | Type   |   | ME 6,2 TBUS <sup>1)</sup><br>ME 17,5 TBUS <sup>1)</sup><br>ME 22,5 TBUS <sup>1)</sup>                             | ME 6,2 TBUS <sup>3)</sup><br>ME 17,5 TBUS <sup>3)</sup><br>ME 22,5 TBUS <sup>3)</sup><br>PBR <sup>4)</sup>          | ME 18,8 TBUS  |
|  | Number of positions  |   | 5 <sup>1)</sup><br>5 <sup>2)</sup> 10 <sup>2)</sup>   | 5 <sup>3)</sup><br>2 <sup>4)</sup>  | 5   |
| Material   | Current carrying capacity<br>(depends on the derating)     |   | max. 5 x 8 A, 125 V DC <sup>1)</sup><br>max. 5 x 8 A, 125 V DC <sup>2)</sup>                                      | max. 5 x 8 A, 125 V DC <sup>3)</sup><br>42 A, 60 V DC <sup>4)</sup>   | max. 5 x 8 A, 125 V   |
|  | Designation  | ABS   | PA (polyamide)  | PA (polyamide)  | PA (polyamide)  |
|  | Flammability rating  | HB (UL94)   | V0 (UL94)   | V0 (UL94)   | V0 (UL94)   |

| Housings   |                                       | Building installation housings                                 | Press-drawn section housings                                   |  |                            | Field housings                                 |
|--|---------------------------------------|--|--|--|----------------------------|--|
|  |                                       |  |  |  |                            |  |
| <b>[i] Web code: #0309</b>                                       | <b>[i] Web code: #0311</b>            | <b>[i] Web code: #0313</b>                                     | <b>[i] Web code: #0314</b>                                     | <b>[i] Web code: #0315</b>                           | <b>[i] Web code: #0317</b> |  |
| ME-PLC   | BC                                    | UM-BASIC   | UM-PRO   | UM-ALU   | HC-ALU                     |  |
| TS105 or<br>2x TS35  | TS35                                  | TS35   | TS35   | TS35   |                            |  |
|  | Wall mounting,<br>direct fastening    | Wall mounting,<br>direct fastening                             | Wall mounting,<br>direct fastening                             |  |                            | Handheld<br>Wall mounting,<br>direct fastening |
| -40° ... +125°   | -40° ... +125°                        | -15° ... +50°  | -40° ... +100°   | -40° ... +105°                                       |                            | -40° ... +70°                                  |
| IP20   | IP20                                  |  |  | IP20   |                            | IP65   |
| 40   | 17.8 (1 div.)<br>Up to 161.6 (9 div.) | Freely selectable profile length<br>30 ... 1,000               | Freely selectable profile length<br>30 ... 1,000               | Profile lengths<br>42.5/60/95/130/165/200<br>235/990 |                            | Profile length<br>100/150/200/1000             |
| 159  | 62.2                                  | 40   | 40   | 33   |                            | 33   |
| 180  | 89.7                                  | 92.3 to 142.3<br>72/108/122<br>Internal dim. of the PCB holder | 92.3 to 142.3<br>72/108/122<br>Internal dim. of the PCB holder | 72/100.5   |                            | 53.5/78/100.5/161                              |
| 15,000   | 2,200 ... 13,000                      | 700/cm   | 1,200/cm   | 3,000 ... 97,000/cm                                  |                            | 5,000 ... 158,000                              |
| Approx. 25   | 2.95 ... 16.95                        |  |  |  |                            |  |
| Optional configuration   | Optional configuration                | Optional configuration   | Optional configuration   | Optional configuration                               |                            | Optional configuration                         |
| Optional configuration   | Optional configuration                | Optional configuration   | Optional configuration   | Optional configuration                               |                            | Optional configuration                         |
| Optional configuration   | Optional configuration                | Optional configuration   | Optional configuration   | Optional configuration                               |                            | Optional configuration                         |
| DIN rail connector<br>(only with TS105)                          | DIN rail connector                    | Integrated cross connection                                    | Integrated cross connection                                    |  |                            |  |
| ME PLC 40 BUS 10 <sup>5)</sup><br>ME PLC 40 BUS 50 <sup>6)</sup> | HBUS                                  | Optional configuration   | Optional configuration   |  |                            |  |
| 10 <sup>5)</sup><br>50 <sup>6)</sup>                             | 16                                    | Optional configuration   | Optional configuration   |  |                            |  |
| 8 A, 160 V <sup>5)</sup><br>1 A, 30 V <sup>6)</sup>              | max. 3 A/pos., 60 V DC                | Optional configuration   | Optional configuration   |  |                            |  |
| PC (polycarbonate)   | PC (polycarbonate)                    | PVC  | Reinforced PA (polyamide)                                      | Anodized aluminum                                    |                            | Anodized aluminum                              |
| V0 (UL94)  | V0 (UL94)                             | V0 (UL94)  | V0 (UL94)  |  |                            |  |

(1) All information pertains to the DIN rail connector (TBUS).  
 (2) All information pertains to the integrated cross connection.

(3) TBUS DIN rail connector.  
 (4) PBR power connector with PCO connection technology.

(5) ME-PLC-BUS 10-pos. DIN rail connector.  
 (6) ME-PLC-BUS 5-pos. DIN rail connector.

# Configuration overview

## EMI MAX series

new

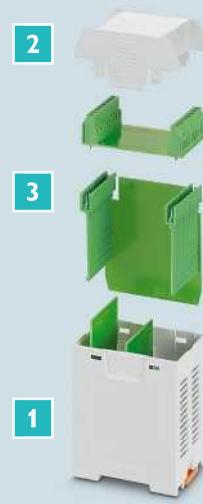
 Web code: #0387

| 1 Lower housing part  |  |               |           | 2 Upper housing part  |   |   | 3   |
|---|--|---------------|-----------|---|---|---|---|
| Lower housing part<br>Design  | Color                                  | Housing width | Order No. | One side open   | Both sides open   | Both sides closed   |   |
|   |  |               |           |    |    |    |   |
|   |  |               |           |   |   |   |   |
|   |  |               |           |   |   |   |   |
|  | Light gray<br>(similar to<br>RAL 7035) | 22.5 mm       | 2201248   | 2201250   | 2201251   | 2201252   | 4-pos., green<br>5-pos., light gray                       |
|   |  | 35 mm         | 2201738   | 2201744   | 2201750   | 2200241   | 5-pos., light gray<br>(2 units required)<br>6-pos., green |
|   |  | 45 mm         | 2201483   | 2201509   | 2201512   | 2201513   | 8-pos., green<br>5-pos., light gray                       |
|   |  | 52.5 mm       | 2201741   | 2201747   | 2201753   | 2200324   | 9-pos., green   |
|   |  | 67.5 mm       | 2201485   | 2201515   | 2201518   | 2201520   | 12-pos., green  |
|   |  | 70 mm         | 2201742   | 2201748   | 2201754   | 2200397   | 13-pos., green  |
|   |  | 90 mm         | 2201487   | 2201523   | 2201525   | 2201526   | 17-pos., green  |
|   |  |               |           |  |  |  |   |
|  | Black (similar<br>to RAL9005)          | 22.5 mm       | 2201249   | 2201253   | 2201254   | 2201255   | 4-pos., green<br>5-pos., black                            |
|   |  | 35 mm         | 2201739   | 2201745   | 2201751   | 2200253   | 6-pos., green<br>5-pos., black (2 units<br>required)      |
|   |  | 45 mm         | 2201484   | 2201510   | 2201511   | 2201514   | 8-pos., green<br>5-pos., black                            |
|   |  | 52.5 mm       | 2201740   | 2201746   | 2201752   | 2200336   | 9-pos., green   |
|   |  | 67.5 mm       | 2201486   | 2201516   | 2201517   | 2201521   | 12-pos., green  |
|   |  | 70 mm         | 2201743   | 2201749   | 2201755   | 2200461   | 13-pos., green  |
|   |  | 90 mm         | 2201488   | 2201522   | 2201524   | 2201527   | 17-pos., green  |

## Configure your electronics housing individually in three steps

- 1** Select the design, color and width of the lower housing part
- 2** Select matching upper housing part
- 3** Select connection technology or filler plug

**Test the EH series:**  
Order No. sample set: 52006670



### Connection technology

| PCB terminal block           |              | Header        |               |               |               |                |                |              | Filler plug |
|------------------------------|--------------|---------------|---------------|---------------|---------------|----------------|----------------|--------------|-------------|
| 5.08 mm pitch                | 5 mm pitch   | 5 mm pitch    | 5.08 mm pitch | 5.08 mm pitch | 5.08 mm pitch | 3.5 mm pitch   | 3.5 mm pitch   |              |             |
| Mounting position of the PCB |              |               |               |               |               |                |                |              |             |
| Horizontal                   | Horizontal   | Horizontal    | Horizontal    | Vertical      | Vertical      | Vertical       | Vertical       |              |             |
|                              |              |               |               |               |               |                |                |              |             |
| MKDS 3/...                   | MKKDSH 3/... | MSTBV 2,5/... | MSTBV 2,5/... | MSTBO 2,5/... | MSTBO 2,5/... | MCO-EH 1,5/... | MCO-EH 1,5/... | EH...-FP/ABS |             |
| 1712805                      | 1721045      | 1753479       | 1758034       | 1850453       | 1847123       | 2202330        | 2202331        | 2201843      |             |
| 1701144                      | 1721045      | 1753518       | 1758050       | 1850479       | 1847149       |                |                | 2201840      |             |
| 1712708                      | 1703283      | 1753550       | 1758076       | 1850495       | 1847165       | 2202330        | 2202331        | 2201843      |             |
| 1707331                      | On request   | 1753576       | 1758089       | On request    | On request    |                |                | 2201840      |             |
| 1714308                      | On request   | 1753631       | 1758115       | On request    | On request    |                |                | 2201843      |             |
| On request                   | On request   | 1753657       | 1758128       | On request    | On request    |                |                | 2201840      |             |
| On request                   | On request   | 1753738       | 1758160       | On request    | On request    |                |                | 2201843      |             |
|                              |              |               |               |               |               |                |                |              |             |
| 1712805                      | 1721045      | 1753479       | 1758034       | 1850453       | 1847123       | 2202333        | 2202332        | 2201842      |             |
| 1701144                      | 1721045      | 1753518       | 1758050       | 1850479       | 1847149       |                |                | 2201841      |             |
| 1712708                      | 1703283      | 1753550       | 1758076       | 1850495       | 1847165       | 2202333        | 2202332        | 2201842      |             |
| 1707331                      | On request   | 1753576       | 1758089       | On request    | On request    |                |                | 2201841      |             |
| 1714308                      | On request   | 1753631       | 1758115       | On request    | On request    |                |                | 2201842      |             |
| On request                   | On request   | 1753657       | 1758128       | On request    | On request    |                |                | 2201841      |             |
| On request                   | On request   | 1753738       | 1758160       | On request    | On request    |                |                | 2201842      |             |

# Configuration overview

## EMI MAX series

new

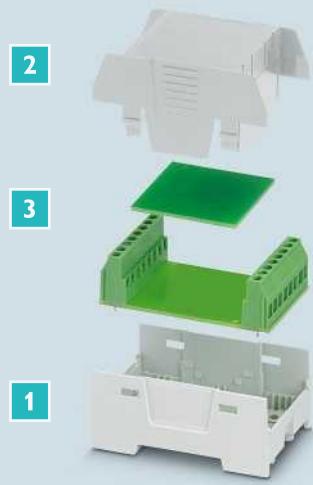
**i** Web code: #0387

| 1 Lower housing part  |                                     |               |           | 2 Upper housing part  |   |   | 3 PCB terminal block  |            |  |
|---|-------------------------------------|---------------|-----------|---|---|---|---|------------|--|
| Lower housing part Design   | Color                               | Housing width | Order No. | One side open   | Both sides open   | Both sides closed   |   | 5 mm pitch |  |
|   |                                     |               |           |    |    |    |   |            |  |
|  | Light gray<br>(similar to RAL 7035) | 22.5 mm       | 2200665   | 2200674   | 2201453   | 2201653   | 4-pos., green   | 1712805    |  |
|   |                                     | 35 mm         | 2201814   | 2201820   | 2201826   | 2201832   | 6-pos., green   | 1701144    |  |
|   |                                     | 45 mm         | 2200474   | 2200789   | 2201770   | 2201769   | 8-pos., green   | 1712708    |  |
|   |                                     | 52.5 mm       | 2201816   | 2201822   | 2201829   | 2201835   | 9-pos., green   | 1707331    |  |
|   |                                     | 67.5 mm       | 2200519   | 2201097   | 2201773   | 2201774   | 12-pos., green  | 1714308    |  |
|   |                                     | 70 mm         | 2201819   | 2201825   | 2201830   | 2201836   | 13-pos., green  | On request |  |
|   |                                     | 90 mm         | 2200663   | 2201282   | 2201778   | 2201777   | 17-pos., green  | On request |  |
|  | Black<br>(similar to RAL9005)       | 22.5 mm       | 2200666   | 2201452   | 2201456   | 2201765   | 4-pos., green   | 1712805    |  |
|   |                                     | 35 mm         | 2201815   | 2201821   | 2201827   | 2201833   | 6-pos., green   | 1701144    |  |
|   |                                     | 45 mm         | 2200492   | 2201448   | 2201771   | 2201766   | 8-pos., green   | 1712708    |  |
|   |                                     | 52.5 mm       | 2201817   | 2201823   | 2201828   | 2201834   | 9-pos., green   | 1707331    |  |
|   |                                     | 67.5 mm       | 2200520   | 2201447   | 2201772   | 2201775   | 12-pos., green  | 1714308    |  |
|   |                                     | 70 mm         | 2201818   | 2201824   | 2201831   | 2201837   | 13-pos., green  | On request |  |
|   |                                     | 90 mm         | 2200664   | 2201388   | 2201779   | 2201776   | 17-pos., green  | On request |  |
|   |                                     |               |           |  |  |  |  | MKDS 3...  |  |
|   |                                     |               |           |   |   |   |   |            |  |

## Configure your electronics housing individually in three steps

- 1** Select the design, color and width of the lower housing part
- 2** Select matching upper housing part
- 3** Select connection technology or filler plug

**Test the EH series:**  
Order No. sample set: 52006670



### Connection technology

|                              |               | Header        |                |             |                |               |         | Filler plug |
|------------------------------|---------------|---------------|----------------|-------------|----------------|---------------|---------|-------------|
| 5 mm pitch                   | 5 mm pitch    | 5.08 mm pitch |                | 5 mm pitch  |                | 3.81 mm pitch |         |             |
| Mounting position of the PCB |               |               |                |             |                |               |         |             |
| Horizontal                   | Horizontal    | Horizontal    |                | Horizontal  |                | Horizontal    |         |             |
| MKKDSH 3/...                 | MSTBV 2,5/... | MSTBV 2,5/... |                | PST 1,3/... |                | MCV 1,5/...   |         |             |
| 1721045                      | 1753479       | 1758034       | 4-pos., black  | 1933202     | 5-pos., green  | 1803455       | 2201844 |             |
| 1721045                      | 1753518       | 1758050       | 6-pos., black  | 1933228     | 8-pos., green  | 1803484       | 2201847 |             |
| 1703283                      | 1753550       | 1758076       | 8-pos., black  | 1933244     | 10-pos., green | 1803507       | 2201844 |             |
| On request                   | 1753576       | 1758089       | 9-pos., black  | 1933257     | 12-pos., green | 1803523       | 2201847 |             |
| On request                   | 1753631       | 1758115       | 12-pos., black | 1933286     | 16-pos., green | 1803565       | 2201844 |             |
| On request                   | 1753657       | 1758128       | 12-pos., black | 1933299     | 16-pos., green | 1803565       | 2201847 |             |
| On request                   | 1753738       | 1758160       | 17-pos., black | 1935556     | 21-pos., green | On request    | 2201844 |             |
|                              |               |               |                |             |                | Fitter plug   |         |             |
| 1721045                      | 1753479       | 1758034       | 4-pos., black  | 1933202     | 5-pos., green  | 1803455       | 2201845 |             |
| 1721045                      | 1753518       | 1758050       | 6-pos., black  | 1933228     | 8-pos., green  | 1803484       | 2201846 |             |
| 1703283                      | 1753550       | 1758076       | 8-pos., black  | 1933244     | 10-pos., green | 1803507       | 2201845 |             |
| On request                   | 1753576       | 1758089       | 9-pos., black  | 1933257     | 12-pos., green | 1803523       | 2201846 |             |
| On request                   | 1753631       | 1758115       | 12-pos., black | 1933286     | 16-pos., green | 1803565       | 2201845 |             |
| On request                   | 1753657       | 1758128       | 12-pos., black | 1933299     | 16-pos., green | 1803565       | 2201846 |             |
| On request                   | 1753738       | 1758160       | 17-pos., black | 1935556     | 21-pos., green | On request    | 2201845 |             |

# Configuration overview

## ME housing series

**i** Web code: #0305

1

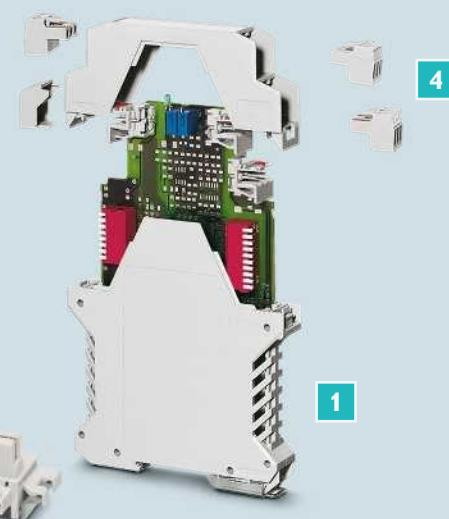
### Lower housing part

| Housing   | Housing width | Without<br>Bus connector  | With integrated bus connector   |  |   |   | For DIN rail<br>Bus connector   |
|---|---------------|---|---|--|---|---|---|
|   |               |   | Number of<br>positions: 5   | Number of<br>positions: 5 parallel<br>+ 2 serial                                   | Number of<br>positions: 10 parallel   | Number of<br>positions:<br>10 parallel + 2 serial                                   |   |
|  Tall design (standard)<br>Total height 114.5 mm*) | Type          |  |  |  |  |  |  |
|   |               | ME...UT   | ME...UT BUS/5   | ME ..UT/FE..BUS<br>5+2   | ME...UT BUS/10  | ME ..UT/FE..BUS<br>10+2   | ME...TBUS   |
|   |               | 12.5 mm, open   | 2869430   |  |   |   |   |
|   |               | 17.5 mm, open   | 2869427   | 2201851  | 2201855   | 2854034   | 2201859   |
|   |               | 22.5 mm, open   | 2907732   | 2201852  | 2201856   | 2707482   | 2200740   |
|   |               | 35 mm, open   | 2915148   | 2201853  | 2201857   | 2854050   | 2201860   |
|  Flat design<br>Total height 106 mm*)              | 90 mm, open   | 45 mm, open   | 2709655   | 2201854  | 2201858   | 2200259   | 2200739   |
|   |               | 67.5 mm, open   | 2201238   |  | 2200537   | 2200539   | 2200541   |
|   |               | 22.5 mm   | 2709781   |  | 2200538   | 2200540   | 2200543   |
|  Ultra-flat design<br>Total height 92 mm*)         | 22.5 mm       | 2201861   |   |  |   |   | 2914835   |

## Configure your electronics housing individually in four steps

- 1** Select lower housing part
- 2** Expand DIN rail bus as an option
- 3** Select matching upper housing part
- 4** Select connection technology or filler plug (p. 30-33)

**Test the ME series:**  
Order No. sample set: 52005214



| <b>2 DIN rail bus</b>              |   |                        |
|------------------------------------|---|------------------------|
| Number of positions:<br>5 parallel | Number of positions:<br>4 parallel + 1 serial | Number of positions: 5 |
| 3.81 mm pitch                      | 3.81 mm pitch                                 | 3.81 mm pitch          |
|                                    |   |                        |
| ME...TBUS                          | ME...TBUS...4P1S                              | ME...TBUS ADAPTER      |
| 2713645                            | 2201731                                       | 2201757                |
| 2713722                            | 2201732                                       | 2201756                |
| 2 x 2713645                        | 2 x 2201731                                   | 2201757                |
| 2 x 2713722                        | 2 x 2201732                                   | 2201756                |
| 3 x 2713722                        | 3 x 2201732                                   | 2201756                |
| 4 x 2713722                        | 4 x 2201732                                   | 2201756                |
| 2713722                            | 2201732                                       | 2201756                |
| 2713722                            | 2201732                                       | 2201756                |

| <b>3 Upper housing part</b> |                   |                           |               |                |
|-----------------------------|-------------------|---------------------------|---------------|----------------|
| PCB terminal blocks         |                   | Connector with base strip |               |                |
| Screw connection            | Spring connection | Single-level              | Double-level  | Triple-level   |
|                             |                   |                           |               |                |
| ME...OTU-MKDSO              | ME...OT-FKDSO     | ME...OT-1MSTBO            | ME...OT-MSTBO | ME...OT-3MSTBO |
| 2278869                     | 2200321           |                           | 2854775       |                |
| 2278940                     | 2200322           |                           | 2853747       |                |
| 2278953                     | 2200323           | 2914877                   | 2907761       | 2914880        |
| 2 x 2278940                 | 2 x 2200322       |                           | 2914864       |                |
| 2 x 2278953                 | 2200327           | 2709299                   | 2854429       | 2 x 2914880    |
| 3 x 2278953                 | 3 x 2200323       | 2200522                   | 3 x 2907761   | 3 x 2914880    |
| 4 x 2278953                 | 2 x 2200327       | 2200523                   | 2 x 2854429   | 4 x 2914880    |
| 22788953                    | 2200321           | 2914877                   | 2907761       | 2914880        |
| 2278953                     | 2200321           | 2914877                   | 2907761       | 2914880        |

(\*) Dimensions of the housing, including single- or double-level upper part.

# Configuration overview

## ME connection technology series

**i** Web code: #0305

| Upper housing part | Housing width | Maximum number of positions |        |         |  | 4                   |         |         |         |  |  |
|--------------------|---------------|-----------------------------|--------|---------|---|---------------------|---------|---------|---------|--|--|
|                    |               | Pitch                       |        |         |   | 3.5 mm pitch        |         |         |         |  |  |
|                    |               | 3.5 mm                      | 5.0 mm | 7.25 mm |   | MCO<br>1,5/-...-3,5 | MC      | FMC     | FK-MCP  |  |  |
| ME...OT-1MSTBO     | 22.5 mm       | 5                           | 4      | 3       | 2278380   | 2278351             | 1769087 | 1773581 | 1773604 |  |  |
|                    | 45 mm         | 10                          | 8      | 6       | 2278380   | 2278351             | 1769087 | 1773581 | 1773604 |  |  |
|                    | 67.5 mm       | 15                          | 12     | 9       | 2278380   | 2278351             | 1769087 | 1773581 | 1773604 |  |  |
|                    | 90 mm         | 20                          | 16     | 12      | 2278380   | 2278351             | 1769087 | 1773581 | 1773604 |  |  |
| ME...OT-MSTBO      | 12.5 mm       | 12                          | 8      |         | 2278319   | 2278322             | 1769061 |         |         |  |  |
|                    | 17.5 mm       | 16                          | 12     | 8       | 2278364   | 2278377             | 1769074 | 1773578 | 1773594 |  |  |
|                    | 22.5 mm       | 20                          | 16     | 12      | 2278380   | 2278351             | 1769087 | 1773581 | 1773604 |  |  |
|                    | 35 mm         | 32                          | 24     | 16      | 2278364   | 2278377             | 1769074 | 1773578 | 1773594 |  |  |
|                    | 45 mm         | 40                          | 32     | 24      | 2278380   | 2278351             | 1769087 | 1773581 | 1773604 |  |  |
| ME...OT-3MSTBO     |               |                             |        |         | 2278380   | 2278351             | 1769087 | 1773581 | 1773604 |  |  |
|                    | 22.5 mm       | 30                          | 24     |         |   |                     |         |         |         |  |  |

## **Configure your electronics housing individually in four steps**

- ## 1 Select lower housing part (p. 28-29)

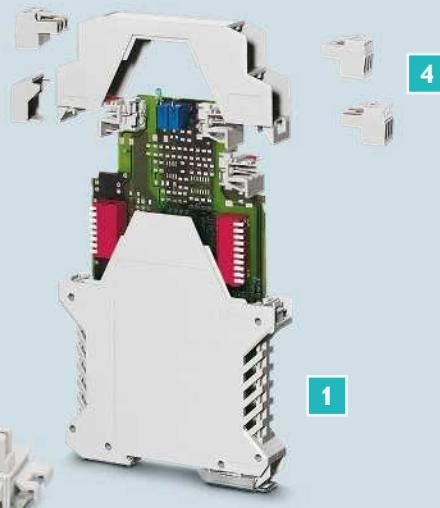
- ## **2** Add DIN rail bus as an option (p. 28-29)

- ### **3** Select matching upper housing part (p. 28-29)

- #### **4** Select connection technology or filler plug

## **Test the ME series:**

Order No. sample set: 52005214



## Connection technology

| Header and plug  |         |   |   |   |         |   |   |   |         | Filler plug   |   |
|--|---------|---|---|---|---------|---|---|---|---------|---|---|
| 5 mm pitch   |         |   | 5 mm pitch  |   |         |   | 5 mm pitch  |   |         |   |   |
|  |         |  |  |  |         |  |  |  |         |  |  |
| MSTBO 2,5/...G1...   |         | MSTBT   | FKCT  | MSTBO 2,5/...-G1... THR   |         | MSTBT   | FKCT  | MSTBO 2,5/...-G1P...  |         | MSTBT...STP   | ME B...   |
| Left   | Right   |   |   | Left  | Right   |   |   | Left  | Right   |   |   |
| 2907774  | 2907787 | 1878037   | 1921900   | 2697194   | 2697204 | 1878037   | 1921900   | 2200325   | 2200326 | 2200332   | 2907965   |
| 2907774  | 2907787 | 1878037   | 1921900   | 2697194   | 2697204 | 1878037   | 1921900   | 2200325   | 2200326 | 2200332   | 2907965   |
| 2907774  | 2907787 | 1878037   | 1921900   | 2697194   | 2697204 | 1878037   | 1921900   | 2200325   | 2200326 | 2200332   | 2907965   |
| 2907774  | 2907787 | 1878037   | 1921900   | 2697194   | 2697204 | 1878037   | 1921900   | 2200325   | 2200326 | 2200332   | 2907965   |
| 2854788  | 2854791 | 1920545   |   | 2200251   | 2200252 | 1920545   |   | 2200330   | 2200331 | 2200334   | 2854801   |
| 2853750  | 2853763 | 1971947   | 1998263   | 2915216   | 2915229 | 1971947   | 1998263   | 2200328   | 2200329 | 2200333   | 2853776   |
| 2907774  | 2907787 | 1878037   | 1921900   | 2697194   | 2697204 | 1878037   | 1921900   | 2200325   | 2200326 | 2200332   | 2907965   |
| 2853750  | 2853763 | 1971947   | 1998263   | 2915216   | 2915229 | 1971947   | 1998263   | 2200328   | 2200329 | 2200333   | 2853776   |
| 2907774  | 2907787 | 1878037   | 1921900   | 2697194   | 2697204 | 1878037   | 1921900   | 2200325   | 2200326 | 2200332   | 2907965   |
| 2907774  | 2907787 | 1878037   | 1921900   | 2697194   | 2697204 | 1878037   | 1921900   | 2200325   | 2200326 | 2200332   | 2 x 2709176   |

# Configuration overview

## ME connection technology series

**i** Web code: #0305

| Upper housing part | Housing width | Maximum number of positions |      |
|--------------------|---------------|-----------------------------|------|
|                    |               | Pitch                       |      |
|                    |               | 3.5 mm                      | 5 mm |
| ME...OTU-MKDSO     | 12.5 mm       | 12                          | 8    |
|                    | 17.5 mm       | 16                          | 12   |
|                    | 22.5 mm       | 20                          | 16   |
|                    | 45 mm         | 40                          | 32   |
| ME...OT-FKDSO      | 12.5 mm       |                             | 8    |
|                    | 17.5 mm       |                             | 12   |
|                    | 22.5 mm       |                             | 16   |
|                    | 45 mm         |                             | 32   |

4

PCB terminal block

Screw connection

3.5 mm pitch



5 mm pitch



MKDSD  
1,5/...-3,5

MKDSD  
2,5/...

Left

Right

Left

Right

2278445 2278458 2915261 2915258

2278432 2278429 2854102 2854092

2278393 2278416 2908485 2908475

2278393 2278416 2908485 2908472

## Configure your electronics housing individually in four steps

**1** Select lower housing part (p. 28-29)

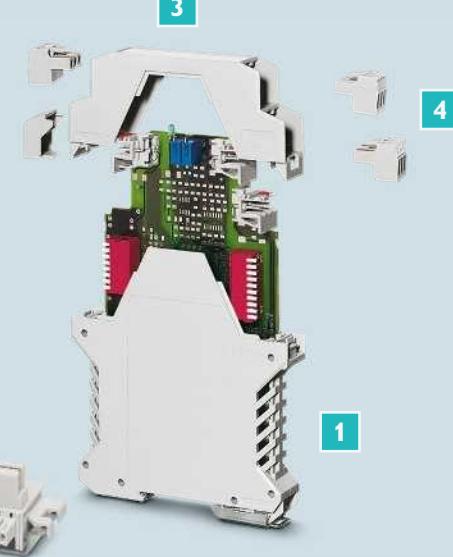
**2** Add DIN rail bus as an option (p. 28-29)

**3** Select matching upper housing part (p. 28-29)

**4** Select connection technology or filler plug

### Test the ME series:

Order No. sample set: 52005214



|                          |         | <b>Filler<br/>plugs</b> |
|--------------------------|---------|-------------------------|
| <b>Spring connection</b> |         | for upper housing part  |
| 5 mm pitch               |         |                         |
|                          |         |                         |
| FKDSO<br>2,5/...         |         | ME B- ...               |
| Left                     | Right   |                         |
|                          |         | 2201862                 |
|                          |         | 2854115                 |
|                          |         | 2908498                 |
|                          |         | 2908498                 |
| 2200315                  | 2200316 | 2200565                 |
| 2200318                  | 2200317 | 2200566                 |
| 2200319                  | 2200320 | 2200567                 |
| 2200319                  | 2200320 | 2200567                 |

# Configuration overview

## ME-MAX housing series

**i** Web code: #0306

### Housing

| Housing  | Housing width                    | Order No.                    | Pitch  |        |                   | Order No.                    | Pitch  |        |                   | Order No.                     | Pitch   |        |                   |
|--|----------------------------------|------------------------------|--|--------|-------------------|------------------------------|--|--------|-------------------|-------------------------------|---|--------|-------------------|
|  |                                  | Housing<br>ME MAX ...<br>3-3 | 3.5 mm   | 5.0 mm | 7.25 mm<br>7.5 mm | Housing<br>ME MAX ...<br>2-2 | 3.5 mm   | 5.0 mm | 7.25 mm<br>7.5 mm | Housing<br>ME MAX ...<br>U-U1 | 3.5 mm  | 5.0 mm | 7.25 mm<br>7.5 mm |
|  |                                  |                              | Max. number of positions<br>for ME-MAX ... 3-3 |        |                   |                              | Max. number of positions<br>for ME-MAX ... 2-2 |        |                   |                               | Max. number of positions<br>for ME-MAX ... U-U1 |        |                   |
| <br>Tall design (standard)<br>Total height 114.5 mm | 6.2 mm                           | 2869634*<br>2869647*         | 8  |        |                   |                              |  |        |                   |                               |   |        |                   |
|  | 12.5 mm, open<br>12.5 mm, closed | 2279020<br>2279017           | 18   | 12     |                   |                              |  |        |                   |                               |   |        |                   |
|  | 17.5 mm, open<br>17.5 mm, closed | 2713612<br>2713531           | 24   | 18     | 12                | 2713599<br>2713609           | 16   | 12     | 8                 | 2713641<br>2713515            | 4   | 3      | 2                 |
|  | 22.5 mm, open<br>22.5 mm, closed | 2713939<br>2713942           | 30   | 24     | 18                | 2713625<br>2713638           | 20   | 16     | 12                | 2713476<br>2713489            | 5   | 4      | 3                 |
|  | 35 mm, open<br>35 mm, closed     | 2713696<br>2713544           | 48   | 36     | 24                | 2713670<br>2713683           | 32   | 24     | 16                | 2713667<br>2713528            | 8   | 6      | 4                 |
|  | 45 mm, open<br>45 mm, closed     | 2713913<br>2713926           | 60   | 48     | 36                | 2713706<br>2713719           | 40   | 32     | 24                | 2713492<br>2713502            | 10  | 8      | 6                 |
|  | 67.5 mm, open<br>67.5 mm, closed | 2200526<br>2200527           | 90   | 72     | 54                | 2200524<br>2200525           | 60   | 48     | 36                | 2200547<br>2200528            | 15  | 12     | 9                 |
|  | 90 mm, open<br>90 mm, closed     | 2200531<br>2200532           | 120  | 96     | 72                | 2200529<br>2200530           | 80   | 64     | 48                | 2200546<br>2200533            | 20  | 16     | 12                |
| <br>Flat design<br>Total height 92 mm               | 22.5 mm                          | 2869388                      | 30   | 24     | 18                |                              |  |        |                   |                               |   |        |                   |
|  | 45 mm                            | 2869391                      | 60   | 48     | 36                |                              |  |        |                   |                               |   |        |                   |
| <br>Ultra-flat design<br>Total height 70.4 mm       | 17.5 mm                          |                              |  |        |                   | 2901369                      | 16   | 12     | 8                 |                               |   |        |                   |
|  | 22.5 mm                          |                              |  |        |                   | 2869362                      | 20   | 16     | 12                |                               |   |        |                   |
|  | 45 mm                            |                              |  |        |                   | 2869375                      | 40   | 32     | 24                |                               |   |        |                   |

## Configure your electronics housing individually in three steps

- 1** Select housing
- 2** Expand DIN rail bus and power connectors as an option
- 3** Select connection technology or filler plug (p. 36-37)

### Test the ME-MAX series:

Order No. sample set: 52005224



|                               |    |   |        | DIN rail connector       |   |                               | Power connectors up to 42 A |                  |            |            |
|-------------------------------|----|---|--------|--------------------------|---|-------------------------------|-----------------------------|------------------|------------|------------|
| Order No.                     |    | Pitch   |        | 3.81 mm pitch            | 3.81 mm pitch                                 | 3.81 mm pitch                 | PCO ..-L**                  | PBR 42A RD       | PBR 42A BU | PBR 42A GY |
| Housing<br>ME MAX ...<br>3-U1 |    | 3.5 mm  | 5.0 mm | ME ... TBUS ...<br>1.5/5 | ME ... TBUS ...<br>1.5/4P1S                   | ME ... TBUS<br>Adapter        |                             |                  |            |            |
|                               |    | Max. number of positions<br>for ME-MAX ... 3-U1 |        | 5 parallel<br>positions  | 4 parallel<br>positions,<br>1 serial position | Adapter piece,<br>5 positions | Left                        | Cross connection |            |            |
|                               |    |   |        |                          |   |                               |                             |                  |            |            |
|                               |    |   |        | 2969401                  |   |                               |                             |                  |            |            |
|                               |    |   |        | 2969401                  |   |                               |                             |                  |            |            |
| 2201536<br>2201537            | 16 | 12  | 8      | 2713645                  | 2201731                                       | 2201757                       | 2201684                     | 2201915          | 2201916    | 2201917    |
| 2201538<br>2201539            | 20 | 16  | 12     | 2713722                  | 2201732                                       | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 2 x 2713645              | 2 x 2201731                                   | 2201757                       | 2201684                     | 2201915          | 2201916    | 2201917    |
| 2201682<br>2201683            | 40 | 32  | 24     | 2 x 2713722              | 2 x 2201732                                   | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 3 x 2713722              | 3 x 2201732                                   | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 4 x 2713722              | 4 x 2201732                                   | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 2713722                  | 2201732                                       | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 2 x 2713722              | 2 x 2201732                                   | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 2713645                  | 2201731                                       |                               | 2201684                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 2713722                  | 2201732                                       | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |
|                               |    |   |        | 2 x 2713722              | 2 x 2201732                                   | 2201756                       | 2201685                     | 2201915          | 2201916    | 2201917    |

(\*) ME-MAX 6,2 has four connection levels. (\*\*) Note: A ME-MAX can only be swung in together with a PCO on the DIN rail if it is the following high model: ME-MAX ... 2-2.

# Configuration overview

## ME-MAX connection technology series

**i** Web code: #0306

| Housing  |                                  |                        |                        |                         |                         | 3.5 mm pitch        |         |         |         |         |
|--|----------------------------------|------------------------|------------------------|-------------------------|-------------------------|---------------------|---------|---------|---------|---------|
| Housing  | Housing width                    | Order No.              | Order No.              | Order No.               | Order No.               | MCO 1,5...G1...-3,5 |         | MC      | FMC     | FK-MCP  |
|  |                                  | Housing ME MAX ... 3-3 | Housing ME MAX ... 2-2 | Housing ME MAX ... U-U1 | Housing ME MAX ... 3-U1 | Left                | Right   |         |         |         |
| <br>Tall design (standard)<br>Total height 114.5 mm | 6.2 mm                           | 2869634*<br>2869647*   |                        |                         |                         |                     |         |         |         |         |
|  | 12.5 mm, open<br>12.5 mm, closed | 2279020<br>2279017     |                        |                         |                         | 2278319             | 2278322 | 1769061 |         |         |
|  | 17.5 mm, open<br>17.5 mm, closed | 2713612<br>2713531     | 2713599<br>2713609     | 2713641<br>2713515      | 2201536<br>2201537      | 2278364             | 2278377 | 1769074 | 1773578 | 1773594 |
|  | 22.5 mm, open<br>22.5 mm, closed | 2713939<br>2713942     | 2713625<br>2713638     | 2713476<br>2713489      | 2201538<br>2201539      | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |
|  | 35 mm, open<br>35 mm, closed     | 2713696<br>2713544     | 2713670<br>2713683     | 2713667<br>2713528      |                         | 2278364             | 2278377 | 1769074 | 1773578 | 1773594 |
|  | 45 mm, open<br>45 mm, closed     | 2713913<br>2713926     | 2713706<br>2713719     | 2713492<br>2713502      | 2201682<br>2201683      | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |
|  | 67.5 mm, open<br>67.5 mm, closed | 2200526<br>2200527     | 2200524<br>2200525     | 2200547<br>2200528      |                         | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |
|  | 90 mm, open<br>90 mm, closed     | 2200531<br>2200532     | 2200529<br>2200530     | 2200546<br>2200533      |                         | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |
| <br>Flat design<br>Total height 92 mm               | 22.5 mm                          | 2869388                |                        |                         |                         | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |
|  | 45 mm                            | 2869391                |                        |                         |                         | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |
| <br>Ultra-flat design<br>Total height 70.4 mm       | 17.5 mm                          |                        | 2901369                |                         |                         | 2278364             | 2278377 | 1769074 | 1773578 | 1773594 |
|  | 22.5 mm                          |                        | 2869362                |                         |                         | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |
|  | 45 mm                            |                        | 2869375                |                         |                         | 2278380             | 2278351 | 1769087 | 1773581 | 1773604 |

## Configure your electronics housing individually in three steps

**1** Select housing (p. 34-35)

**2** Add DIN rail bus and power connectors as an option (p. 34-35)

**3** Select connection technology or filler plug

### Test the ME-MAX series:

Order No. sample set: 52005224



### Connection technology

#### Header and plug

| 5 mm pitch         |         |         | 5 mm pitch                |         |         | 5 mm pitch               |                 |                                    | 7.25 mm pitch |                 |         |         |         |         |
|--------------------|---------|---------|---------------------------|---------|---------|--------------------------|-----------------|------------------------------------|---------------|-----------------|---------|---------|---------|---------|
| MSTBO 2,5/...G1... | MSTBT   | FKCT    | MSTBO 2,5/...G1...<br>THR | MSTBT   | FKCT    | MSTBO 2,5/...-<br>G1P... | MSTBT...<br>STP | GMSTBO 2,5 HV/...-<br>-G... THR... | GMSTBT 2,5 HV | ME MAX<br>B-... |         |         |         |         |
| Left               | Right   |         | Left                      | Right   |         | Left                     | Right           |                                    | Left          | Right           |         |         |         |         |
|                    |         |         |                           |         |         |                          |                 |                                    |               |                 |         |         |         |         |
|                    |         |         |                           |         |         |                          |                 |                                    |               |                 |         |         |         |         |
| 2854788            | 2854791 | 1920545 | 2200251                   | 2200252 | 1920545 | 2200330                  | 2200331         | 2200334                            |               |                 |         | 2914660 |         |         |
| 2853750            | 2853763 | 1971947 | 1998263                   | 2915216 | 2915229 | 1971947                  | 1998263         | 2200328                            | 2200329       | 2200333         | 2199867 | 2199760 | 2199757 | 2706959 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2853750            | 2853763 | 1971947 | 1998263                   | 2915216 | 2915229 | 1971947                  | 1998263         | 2200328                            | 2200329       | 2200333         | 2199867 | 2199760 | 2199757 | 2706959 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2853750            | 2853763 | 1971947 | 1998263                   | 2915216 | 2915229 | 1971947                  | 1998263         | 2200328                            | 2200329       | 2200333         | 2199867 | 2199760 | 2199757 | 2706959 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |
| 2907774            | 2907787 | 1878037 | 1921900                   | 2697194 | 2697204 | 1878037                  | 1921900         | 2200325                            | 2200326       | 2200332         | 2199663 | 2199566 | 2199553 | 2707929 |

(\*) ME MAX 6,2 has four connection levels.

# Configuration overview

## ME-MAX connection technology series

**i** Web code: #0306

| Housing                   |                                  |   |   |  |  | 3.5 mm pitch |         |
|---------------------------|----------------------------------|---|---|--|--|--------------|---------|
| Housing                   | Housing width                    | Order No.<br>Housing<br>ME MAX ...<br>3-3 | Order No.<br>ME MAX ...<br>2-2<br>housing | Order No.<br>ME MAX ...<br>U-U1<br>housing | Order No.<br>ME MAX ...<br>3-U1<br>housing | MKDSO 1,5    |         |
|                           |                                  |   |   |  |  |              |         |
| <br>Total height 114.5 mm | 6.2 mm                           | 2869634*<br>2869647*                      |   |  |  |              |         |
|                           | 12.5 mm, open<br>12.5 mm, closed | 2279020<br>2279017                        |   |  |  | 2278445      | 2278458 |
|                           | 17.5 mm, open<br>17.5 mm, closed | 2713612<br>2713531                        | 2713599<br>2713609                        | 2713641<br>2713515                         | 2201536<br>2201537                         | 2278432      | 2278429 |
|                           | 22.5 mm, open<br>22.5 mm, closed | 2713939<br>2713942                        | 2713625<br>2713638                        | 2713476<br>2713489                         | 2201538<br>2201539                         | 2278393      | 2278416 |
|                           | 35 mm, open<br>35 mm, closed     | 2713696<br>2713544                        | 2713670<br>2713683                        | 2713667<br>2713528                         |  | 2278392      | 2278429 |
|                           | 45 mm, open<br>45 mm, closed     | 2713913<br>2713926                        | 2713706<br>2713719                        | 2713492<br>2713502                         | 2201682<br>2201683                         | 2278393      | 2278416 |
|                           | 67.5 mm, open<br>67.5 mm, closed | 2200526<br>2200527                        | 2200524<br>2200525                        | 2200547<br>2200528                         |  | 2278393      | 2278416 |
|                           | 90 mm, open<br>90 mm, closed     | 2200531<br>2200532                        | 2200529<br>2200530                        | 2200546<br>2200533                         |  | 2278393      | 2278416 |
| <br>Total height 92 mm    | 22.5 mm                          | 2869388                                   |   |  |  | 2278393      | 2278416 |
|                           | 45 mm                            | 2869391                                   |   |  |  | 2278393      | 2278416 |
| <br>Total height 70.4 mm  | 17.5 mm                          |   | 2901369                                   |  |  | 2278431      | 2278429 |
|                           | 22.5 mm                          |   | 2869362                                   |  |  | 2278393      | 2278416 |
|                           | 45 mm                            |   | 2869375                                   |  |  | 2278393      | 2278416 |

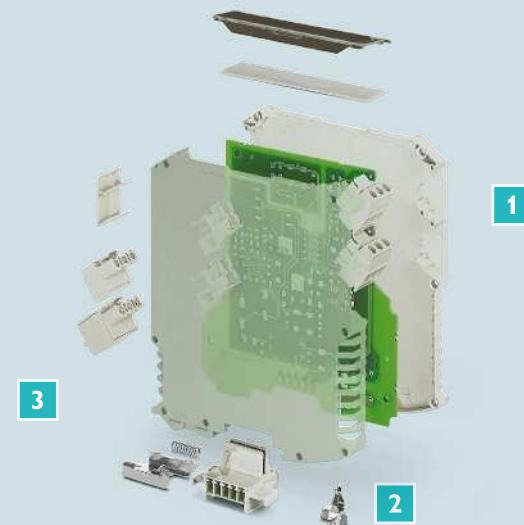
## Configure your electronics housing individually in three steps

**1** Select housing (p. 34-35)

**2** Add DIN rail bus and power connectors as an option (p. 34-35)

**3** Select connection technology or filler plug

**Test the ME-MAX series:**  
Order No. sample set: 52005224



### Connection technology

| 5 mm pitch   |         | 7.5 mm pitch |         | 5 mm pitch   |         | 7.5 mm pitch |         | ME MAX B... |  |
|--------------|---------|--------------|---------|--------------|---------|--------------|---------|-------------|--|
| MKDSO 2,5    |         | MKDSO 2,5 HV |         | FKDSO 2,5    |         | FKDSO 2,5 HV |         |             |  |
| Left         | Right   | Left         | Right   | Left         | Right   | Left         | Right   |             |  |
|              |         |              |         |              |         |              |         |             |  |
| 2713094 (**) |         |              |         | 2713104 (**) |         |              |         |             |  |
| 2915261      | 2915258 |              |         | 2200315      | 2200316 |              |         |             |  |
| 2854102      | 2854092 | 2199676      | 2199773 | 2200318      | 2200317 |              |         | 2914660     |  |
| 2908485      | 2908472 | 2890946      | 2890959 | 2200319      | 2200320 | 2201128      | 2201129 | 2706959     |  |
| 2854102      | 2854092 | 2199676      | 2199773 | 2200318      | 2200317 |              |         | 2707929     |  |
| 2908485      | 2908472 | 2890946      | 2890959 | 2200319      | 2200320 | 2201128      | 2201129 | 2706959     |  |
| 2908485      | 2908472 | 2890946      | 2890959 | 2200319      | 2200320 | 2201128      | 2201129 | 2707929     |  |
| 2908485      | 2908472 | 2890946      | 2890959 | 2200319      | 2200320 | 2201128      | 2201129 | 2707929     |  |
| 2908485      | 2908472 | 2890946      | 2890959 | 2200319      | 2200320 | 2201128      | 2201129 | 2707929     |  |
| 2854102      | 2854092 | 2199676      | 2199773 | 2200318      | 2200317 |              |         | 2706959     |  |
| 2908485      | 2908472 | 2890946      | 2890959 | 2200319      | 2200320 | 2201128      | 2201129 | 2707929     |  |
| 2908485      | 2908472 | 2890946      | 2890959 | 2200319      | 2200320 | 2201128      | 2201129 | 2707929     |  |

(\*) ME-MAX 6,2 has four connection levels.  
(\*\*) ME-MAX 6,2 is available with integrated print and spring connection technology.

# Configuration overview

## ME-IO series

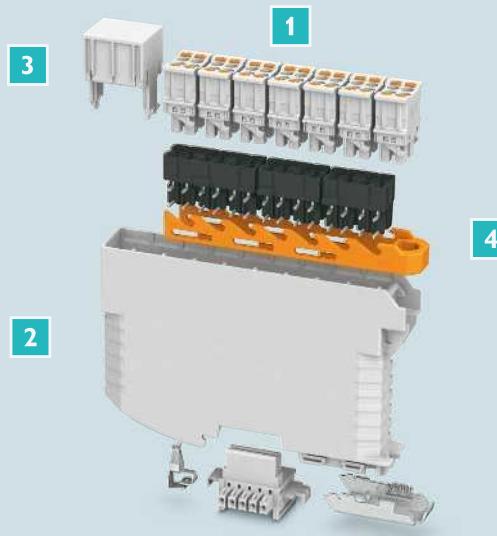
**i** Web code: #0308

| 1   |           |                                     |                                |     | 36  | 34  | 28          |
|---|-----------|-------------------------------------|--------------------------------|-----|-----|-----|-------------|
|   | Order No. | Order designation                   |                                |     |     | 28  | 20 + 4 TWIN |
| <b>Lower housing part with Lock and Release</b> |           |                                     |                                |     |     |     |             |
| 2   |           | 2201960                             | ME-IO 18,8 B/FE 9/9U TBUS 7035 | 1 x | 1 x |     |             |
|   |           | 2201961                             | ME-IO 18,8 B/FE 7/9U TBUS 7035 |     |     | 1 x | 1 x         |
|   |           | 2201962                             | ME-IO 18,8 B/FE 5/9U TBUS 7035 |     |     |     |             |
|   |           | 2201963                             | ME-IO 18,8 B/FE 3/9U TBUS 7035 |     |     |     |             |
|   |           | 2201809                             | ME-IO 18,8 B/FE 9U TBUS 7035   |     |     |     |             |
|   |           | 2201813                             | ME 18,8 TBUS 1,5/5-ST-3,81KMGY |     |     |     |             |
| <b>Housing cover</b>                            |           |                                     |                                |     |     |     |             |
| 3   |           | 2201799                             | ME-IO 18,8 C 2U 7035           |     |     | 1 x | 1 x         |
|   |           | 2201800                             | ME-IO 18,8 C 3U 7035           |     |     |     |             |
|   |           | 2201802                             | ME-IO 18,8 C 4U 7035           |     |     |     |             |
|   |           | 2201803                             | ME-IO 18,8 C 5U 7035           |     |     |     |             |
|   |           | 2201804                             | ME-IO 18,8 C 6U 7035           |     |     |     |             |
|   |           | 2201805                             | ME-IO 18,8 C 7U 7035           |     |     |     |             |
|   |           | 2201806                             | ME-IO 18,8 C 9U 7035           |     |     |     |             |
| <b>Connection technology</b>                    |           |                                     |                                |     |     |     |             |
| 4   |           | Header                              |                                |     |     |     |             |
|   |           | 2201788                             | HSCH 2,5-3U/12 9005            | 1 x | 1 x | 1 x | 1 x         |
|   |           | 2201789                             | HSCH 2,5-2U/ 8 9005            | 3 x | 1 x | 2 x | 1 x         |
|   |           | 2201790                             | HSCH 2,5-2U-TTTT 9005          |     |     |     | 1 x         |
|   |           | 2201792                             | HSCH 2,5-2U-2220 9005          |     | 2x  |     |             |
|   |           | Plug with push-in spring connection |                                |     |     |     |             |
|   |           | 2201780                             | HSCP-SP 2,5-1U/ 4 7035         | 9 x | 7 x | 7 x | 5 x         |
|   |           | 2201781                             | HSCP-SP 2,5-1U-TT 7035         |     |     |     | 2 x         |
|   |           | 2201782                             | HSCP-SP 2,5-1U-20 7035         |     | 2 x |     |             |

## Individually configure electronics housing with connection technology

- 1** Determine assignment for no. of positions
- 2** Define lower housing part
- 3** Select housing cover
- 4** Select connection technology

**Test the ME-IO series:**  
Order No. sample set: 52005220



### Number of positions configuration



Number of positions

|    | 24          | 20 | 16 | 12          | 8  | 0          |
|----|-------------|----|----|-------------|----|------------|
| 24 | 16 + 4 TWIN | 24 | 20 | 12 + 4 TWIN | 16 | 8 + 4 TWIN |

1 x

1 x

1 x

1 x

1 x

1 x

1 x

8

0

1 x

Optional selection

|     |     |     |     |     |     |     |  |  |
|-----|-----|-----|-----|-----|-----|-----|--|--|
| 1 x | 1 x | 1 x |     |     |     |     |  |  |
|     |     |     | 1 x | 1 x |     |     |  |  |
|     |     |     |     |     | 1 x | 1 x |  |  |

1 x

1 x

1 x

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|     |     | 2 x | 1 x | 1 x |     |     | 1 x |     |     |
| 3 x | 2 x |     | 1 x |     | 2 x | 1 x |     | 1 x |     |
|     | 1 x |     |     | 1 x |     | 1 x |     |     | 1 x |

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6 x | 4 x | 6 x | 5 x | 3 x | 4 x | 2 x | 3 x | 2 x |     |
|     | 2 x |     |     | 2 x |     | 2 x |     |     | 2 x |

Additional configurations possible.

# Configuration overview

## ME-PLC series

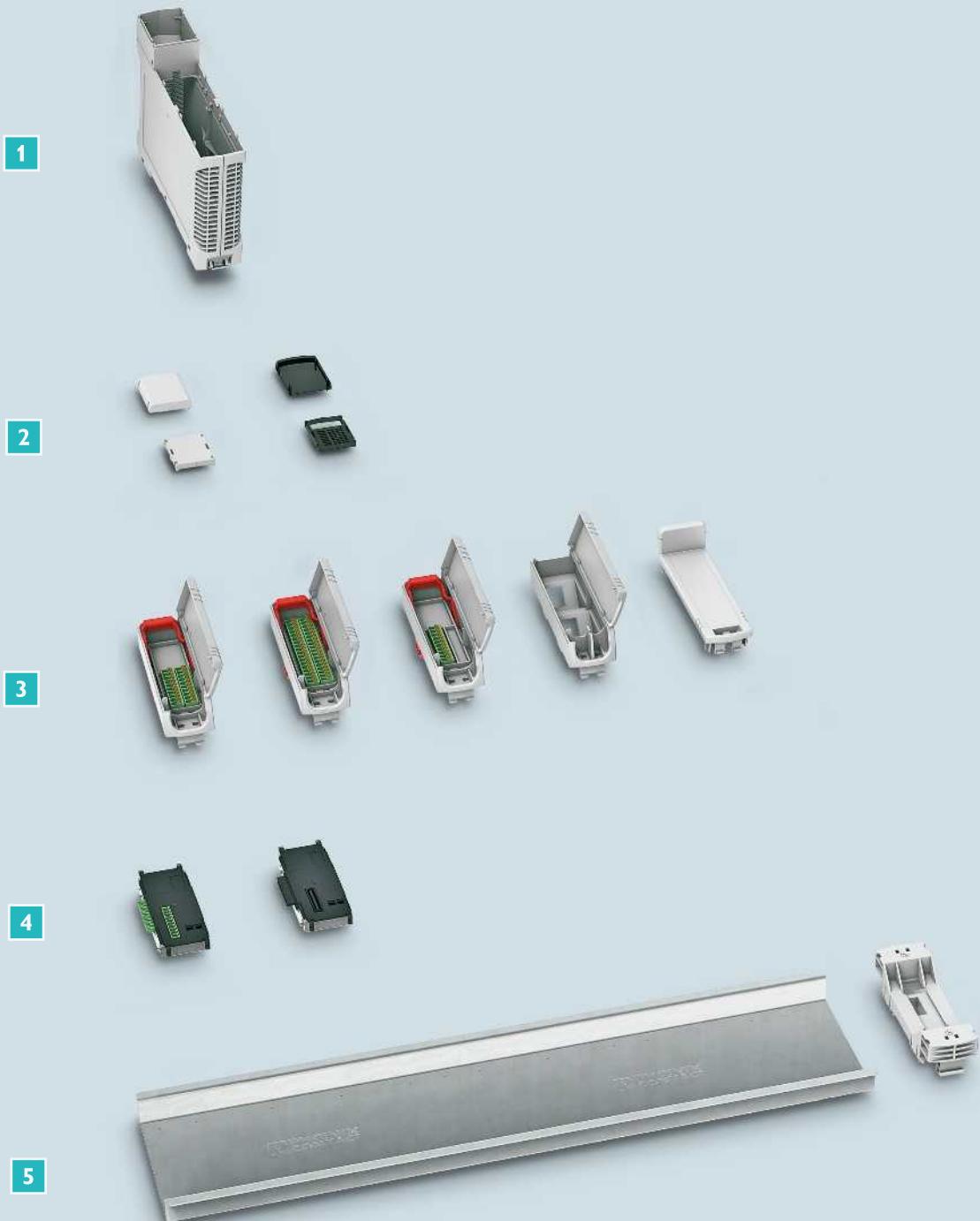
**i** Web code: #0309

|                                | Description  | Type                         | Order No. |
|--------------------------------|--|------------------------------|-----------|
| <b>Lower housing parts</b>     |  |                              |           |
| 1                              | For 50-/40-pos. bus connector                                | ME PLC 40 B BUS 50/40 GY7035 | 2201500   |
|                                | For 10-/10-pos. bus connector                                | ME PLC 40 B BUS 10/10 GY7035 | 2201499   |
| <b>Housing termination</b>     |  |                              |           |
| 2                              | Cover, light gray  | ME PLC 40 CS GY7035          | 2201490   |
|                                | Insert plate, light gray                                     | ME PLC 40 PL S GY7035        | 2201497   |
|                                | Cover, transparent   | ME PLC 40 CS TRANS           | 2201491   |
|                                | Matrix, black for transparent cover                          | ME PLC 40 MT S BK            | 2201496   |
| <b>Front connection module</b> |  |                              |           |
| 3                              | Universal cover, permanently snapped in                      | ME PLC 40 CL GY7035          | 2201505   |
|                                | Including 2 x 10-pos. FKCN connection technology, swiveling  | ME PLC 40 CT20 GY7035        | 2201493   |
|                                | Including 2 x 18-pos. FKCN connection technology, swiveling  | ME PLC 40 CT36 GY7035        | 2201494   |
|                                | Including 1 x 10-pos. FKCN connection technology, swiveling  | ME PLC 40 CT10 GY7035        | 2201492   |
|                                | Including RJ45 connection technology, permanently snapped in | ME PLC 40 CTRJ45 GY7035      | 2201495   |
| <b>Bus connector</b>           |  |                              |           |
| 4                              | Set including 50/40-pos. connector without PCB               | ME PLC 40 BUS 50/40 KIT BK   | 2201502   |
|                                | Set including 2 x 10-pos. connector without PCB              | ME PLC 40 BUS 10/10 KIT BK   | 2201503   |
| <b>Accessories</b>             |  |                              |           |
| 5                              | DIN rail, unperforated 105 x 20 mm, cut to size individually | NS 105/20 UNPERF             | 2201508   |
|                                | End bracket for NS 105/20 DIN rail                           | ME PLC EBT GY7035            | 2201498   |

## Configure your electronics housing individually in five steps

- 1 Select lower housing part
- 2 Select housing termination
- 3 Select front connection module
- 4 Specify bus connector
- 5 Select accessories

**Test the ME-PLC series:**  
Order No. sample set: 52003927



# Configuration overview

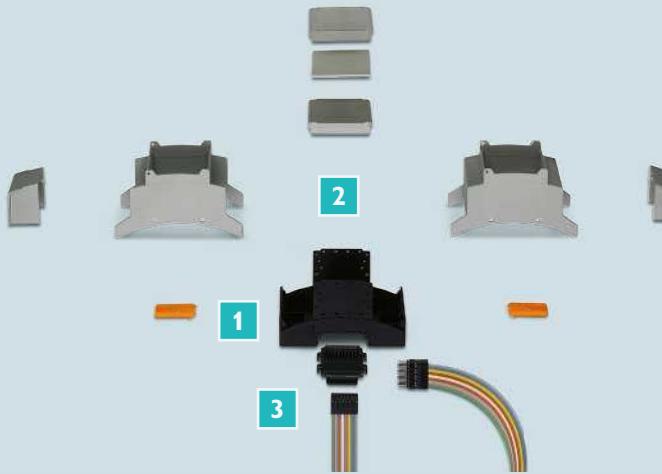
## BC housing series

**i** Web code: #0311

|  | Description   |          |                   | 2   |
|--|---|----------|-------------------|---|
| 1  | Lower housing part  | Width    | Order no.         | 17.8 mm   |
|  |   |          |                   | 35.6 mm   |
|  |   | 17.8 mm  | 2896241           | 2279732 <sup>1)</sup><br>2896144 <sup>2)</sup><br>2896102 <sup>3)</sup> |
|  |   | 35.6 mm  | 2896254           | 2896034 <sup>1)</sup><br>2896157 <sup>2)</sup><br>2896115 <sup>3)</sup> |
|  |   | 53.6 mm  | 2896403           |   |
|  |   | 71.6 mm  | 2896267           |   |
|  |   | 107.6 mm | 2896270           |   |
|  |   | 161.6 mm | 2278500           |   |
| 3  | Bus connectors (*)  |          | Type              | Number of positions   |
|  |  |          | HBUS 35,6-16P-1S  | 16  |
|  |  |          | HBUS 35,6-16P-2S  | 16  |
|  |  |          | HBUS 53,6-16P-1S  | 16  |
|  |  |          | HBUS 53,6-16P-3S  | 16  |
|  |  |          | HBUS 71,6-16P-1S  | 16  |
|  |  |          | HBUS 107,6-16P-1S | 16  |
|  |  |          | HBUS 161,6-16P-1S | 16  |
|  |   |          |                   | 17.8 mm   |
|  |   |          |                   | 35.6 mm   |
|  |   |          |                   | 2896283   |
|  |   |          |                   | 2896319   |
|  |   |          |                   | 2896322   |
|  |   |          |                   | 1   |
|  |   |          |                   | 1   |
|  |   |          |                   | 1   |

## Configure your electronics housing individually in three steps

- 1** Select lower housing part
- 2** Select matching upper housing part and cover
- 3** Select bus connector



**Test the BC series:**  
Order No. sample set: 52005225

### Upper housing part

| 53.6 mm   |   | 71.6 mm   |   | 107.6 mm |   | 161.6 mm  |   |   |  |
|---|---|---|---|----------|---|---|---|---|--|
| Terminal installation depth   |   |   |   |          |   |   |   |   |  |
| 11 mm   | 22 mm   | 11 mm   | 22 mm   | 11 mm    | 22 mm   | 11 mm   | 22 mm   | Modular   |  |
|   |   |   |   |          |   |   |   |   |  |
| 2896416 <sup>1)</sup><br>2896432 <sup>2)</sup><br>2896445 <sup>3)</sup> | 2896429 <sup>1)</sup><br>2896432 <sup>2)</sup><br>2896445 <sup>3)</sup> |   |   |          |   |   |   |   |  |
|   |   | 2896050 <sup>1)</sup><br>2896160 <sup>2)</sup><br>2896128 <sup>3)</sup> | 2896063 <sup>1)</sup><br>2896160 <sup>2)</sup><br>2896128 <sup>3)</sup> |          | 2896076 <sup>1)</sup><br>2896173 <sup>2)</sup><br>2896131 <sup>3)</sup> | 2896089 <sup>1)</sup><br>2896173 <sup>2)</sup><br>2896131 <sup>3)</sup> |   |   |  |
|   |   |   |   |          |   |   | 2278513 <sup>1)</sup><br>2278539 <sup>2)</sup><br>2278542 <sup>3)</sup> | 2278526 <sup>1)</sup><br>2278539 <sup>2)</sup><br>2278542 <sup>3)</sup> | Configurable <sup>1)</sup><br>2278539 <sup>2)</sup><br>2278542 <sup>3)</sup> |
| 53.6 mm   |   | 71.6 mm   |   | 107.6 mm |   | 161.6 mm  |   |   |  |
| 2896458   |   |   |   |          |   |   |   |   |  |
|   |   | 2896296   |   |          |   |   |   |   |  |
|   |   |   |   | 2896306  |   |   |   |   |  |
|   |   |   |   |          |   |   | 2278555   |   |  |

(\*) Suitable power connectors with 16 free cable ends: Order No. 2896348.  
(1) Upper housing part. (2) Light gray housing cover, permanently snapped in. (3) Transparent cover including insertion plate.

# Configuration overview

## BC connection technology series

| Connection technology for a max. number of positions per side |   |        |                             | (1)  |         |      |          |      |          |      |  |
|---|---|--------|-----------------------------|------|---------|------|----------|------|----------|------|--|
|   | Connection technology   | Pitch  | Conductor cross section (*) | Pcs. | 17.8    | Pcs. | 35.6 U11 | Pcs. | 35.6 U22 | Pcs. |  |
|   | Filler plug for unassembled, largest segment  |        |                             | 2    | 2854115 | 1    | 2896209  | 1    | 2896212  | 1    |  |
|   | PCB terminal blocks with screw connection<br>Currents up to 32 A, for wave soldering processes          |        |                             | 2    | 2854102 |      |          |      |          |      |  |
|   | MKDSO 2,5/3-L   | 5.0 mm | 2.5 mm <sup>2</sup>         | 2    | 2854092 |      |          |      |          |      |  |
|   | MKDSO 2,5/3-R   | 5.0 mm | 2.5 mm <sup>2</sup>         |      |         |      |          |      |          |      |  |
|   | Currents up to 24 A, for reflow process   |        |                             | 2    | 1985894 | 2    | 1985849  | 3    | 1985933  | 3    |  |
|   | MKDS 1,5/... HT   | 5.0 mm | 1.5 mm <sup>2</sup>         | 2    | 1985933 | 2    | 1985933  | 3    | 1985933  | 3    |  |
|   | MKDSN 2,5/... HT  | 5.0 mm | 2.5 mm <sup>2</sup>         |      |         |      |          |      |          |      |  |
|   | Currents up to 32 A, for wave soldering processes   |        |                             | 2    | 1715035 | 2    | 1715035  | 3    | 1715035  | 3    |  |
|   | MKDS 1,5/...  | 5.0 mm | 1.5 mm <sup>2</sup>         | 2    | 1890976 | 2    | 1890976  | 3    | 1890976  | 3    |  |
|   | MKDSN 2,5/...   | 5.0 mm | 2.5 mm <sup>2</sup>         | 2    | 1721346 | 2    | 1721346  | 3    | 1721346  | 3    |  |
|   | Currents up to 41 A, for wave soldering processes   |        |                             | 2    | 1717020 | 2    | 1717020  | 2    | 1717020  | 2    |  |
|   | GMKDS 1,5/...   | 7.5 mm | 1.5 mm <sup>2</sup>         | 2    | 1732021 | 2    | 1732021  | 2    | 1732021  | 2    |  |
|   | Double level  |        |                             | 2    | 1725012 |      |          |      |          |      |  |
|   | MKKDS 1,5/...   | 5.0 mm | 1.5 mm <sup>2</sup>         | 2    | 1721087 |      |          |      |          |      |  |
|   | MKKDSC 3/...  | 5.0 mm | 2.5 mm <sup>2</sup>         |      |         |      |          |      |          |      |  |
|   | PCB terminal blocks with push-in spring connection<br>Currents up to 24 A, for wave soldering processes |        |                             | 1    | 1752162 | 1    | 1752162  | 1    | 1752162  | 1    |  |
|   | SPTA 1/...-3,5  | 3.5 mm | 1.0 mm <sup>2</sup>         | 1    | 1752256 | 1    | 1752256  | 1    | 1752256  | 1    |  |
|   | SPTA 1/...-5,0  | 5.0 mm | 1.0 mm <sup>2</sup>         |      |         |      |          |      |          |      |  |
|   | Currents up to 24 A, for wave soldering processes   |        |                             | 6    | 1889301 |      |          |      |          |      |  |
|   | ZFKKDS 1,5C-5,0   | 5.0 mm | 1.5 mm <sup>2</sup>         |      |         |      |          |      |          |      |  |
|   | PCB terminal blocks with double spring connection   |        |                             | 1    | 1928822 | 1    | 1928822  | 1    | 1928822  | 1    |  |
|   | FK-MPT 0,5/...-3,5-H  | 3.5 mm | 0.5 mm <sup>2</sup>         | 1    | 1913989 | 1    | 1913989  | 1    | 1913989  | 1    |  |
|   | FK-MPT 0,5/...-ST-3,5   | 3.5 mm | 0.5 mm <sup>2</sup>         |      |         |      |          |      |          |      |  |
|   | PCB terminal blocks with spring connection  |        |                             | 1    | 1990096 | 1    | 1990096  | 1    | 1990096  | 1    |  |
|   | PTSA 0,5/...-2,5-Z  | 2.5 mm | 0.5 mm <sup>2</sup>         | 1    | 1989832 | 1    | 1989832  | 1    | 1989832  | 1    |  |
|   | PTSA 0,5/...-2,5-F  | 2.5 mm | 0.5 mm <sup>2</sup>         | 1    | 1792902 | 1    | 1792902  | 1    | 1792902  | 1    |  |
|   | PTS 1,5/...-5,0-H   | 5.0 mm | 2.5 mm <sup>2</sup>         |      |         |      |          |      |          |      |  |
|   | PCB terminal blocks with screw connection   |        |                             | 1    | 1935200 | 1    | 1935200  | 1    | 1935200  | 1    |  |
|   | PT 1,5/...-5,0-H  | 5.0 mm | 2.5 mm <sup>2</sup>         | 1    | 1755622 | 1    | 1755622  | 1    | 1755622  | 1    |  |
|   | PCB terminal blocks with double spring connection   |        |                             | 1    | 1725185 |      |          |      |          |      |  |
|   | PTDA 1,5/...-PH-3,5   | 3.5 mm | 1.5 mm <sup>2</sup>         | 1    | 1725549 |      |          |      |          |      |  |
|   | PTDA 2,5/...-PH-5,0   | 5.0 mm | 2.5 mm <sup>2</sup>         | 1    | 1933228 | 1    | 1933228  | 1    | 1933228  | 1    |  |
|   | Pin strips  |        |                             | 1    | 1704521 |      |          |      |          |      |  |
|   | PST 1,3/...-LV-5,0  | 5.0 mm |                             | 1    | 1933228 | 1    | 1933228  | 1    | 1933228  | 1    |  |
|   | PST 1,3/...-5,0   | 5.0 mm |                             |      |         |      |          |      |          |      |  |
|   | RJ-45 connection  |        |                             | 1    | 1688586 |      |          |      |          |      |  |
|   | VS-08-BU-RJ45/LP-1  |        |                             |      |         |      |          |      |          |      |  |

**Test the BC series:**  
Order No. sample set: 52005225

### Housing

17.8 to 161.6 mm housing and U11 and U22 terminal installation depth)

| 53.6 U11 | Pcs. | 53.6 U22 | Pcs. | 71.6 U11 | Pcs. | 71.6 U22 | Pcs. | 107.6 U11 | Pcs. | 107.6 U22 | Pcs. | 161.6 U11 | Pcs. | 161.6 U22 | Pcs. | 161.6 modular |  |
|----------|------|----------|------|----------|------|----------|------|-----------|------|-----------|------|-----------|------|-----------|------|---------------|--|
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               | Connection technology dependent on configuration |
| 2896225  | 1    | 2896238  | 2    | 2896209  | 2    | 2896212  | 2    | 2896225   | 2    | 2896238   | 3    | 2896225   | 3    | 2896238   | 3    | 2896238       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
| 1985894  | 3    | 1985894  | 4    | 1985894  | 4    | 1985849  | 6    | 1984950   | 6    | 1984950   | 9    | 1984950   | 9    | 1984950   | 9    | 1984950       |  |
| 1985933  | 3    | 1985933  | 4    | 1985933  | 4    | 1985933  | 6    | 1985933   | 6    | 1985933   | 9    | 1985933   | 9    | 1985933   | 9    | 1985933       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
| 1715035  | 3    | 1715035  | 4    | 1715035  | 4    | 1715035  | 6    | 1715035   | 6    | 1715035   | 9    | 1715035   | 9    | 1715035   | 9    | 1715035       |  |
| 1890976  | 3    | 1890976  | 4    | 1890976  | 4    | 1890976  | 6    | 1890976   | 6    | 1890976   | 9    | 1890976   | 9    | 1890976   | 9    | 1890976       |  |
| 1721346  | 3    | 1721346  | 4    | 1721346  | 4    | 1721346  | 6    | 1721346   | 6    | 1721346   | 9    | 1721346   | 9    | 1721346   | 9    | 1721346       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
| 1717033  | 2    | 1717033  | 4    | 1717020  | 4    | 1717020  | 4    | 1717033   | 4    | 1717033   | 6    | 1717033   | 4    | 1717033   | 4    | 1717033       |  |
| 1732034  | 2    | 1732034  | 4    | 1732021  | 4    | 1732021  | 4    | 1732034   | 4    | 1732034   | 6    | 1732034   | 4    | 1732034   | 4    | 1732034       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
|          | 3    | 1725025  |      |          | 4    | 1725012  |      |           | 6    | 1725025   |      |           | 9    | 1725025   | 9    | 1725025       |  |
|          | 3    | 1721087  |      |          | 2    | 1721087  |      |           | 6    | 1721087   |      |           | 9    | 1721087   | 9    | 1721087       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
| 1752201  | 1    | 1752201  | 2    | 1752162  | 2    | 1752162  | 2    | 1752201   | 2    | 1752201   | 3    | 1752201   | 3    | 1752201   | 3    | 1752201       |  |
| 1752298  | 1    | 1752298  | 2    | 1752256  | 2    | 1752256  | 2    | 1752298   | 2    | 1752298   | 3    | 1752298   | 3    | 1752298   | 3    | 1752298       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
|          |      | 1889259  |      |          | 12   | 1889301  |      |           |      | 1889259   |      |           |      | 1889259   |      | 1889259       |  |
| 1928877  | 1    | 1928877  | 2    | 1928822  | 2    | 1928822  | 2    | 1928877   | 2    | 1928877   | 3    | 1928877   | 3    | 1928877   | 3    | 1928877       |  |
| 1914043  | 1    | 1914043  | 2    | 1913989  | 2    | 1913989  | 2    | 1914043   | 2    | 1914043   | 3    | 1914043   | 3    | 1914043   | 3    | 1914043       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
| 1990148  | 1    | 1990148  | 2    | 1990096  | 2    | 1990096  | 2    | 1990148   | 2    | 1990148   | 3    | 1990148   | 3    | 1990148   | 3    | 1990148       |  |
| 1989887  | 1    | 1989887  | 2    | 1989832  | 2    | 1989832  | 2    | 1989887   | 2    | 1989887   | 3    | 1989887   | 3    | 1989887   | 3    | 1989887       |  |
| 1792931  | 1    | 1792931  | 2    | 1792902  | 2    | 1792902  | 2    | 1792931   | 2    | 1792931   | 3    | 1792931   | 3    | 1792931   | 3    | 1792931       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
| 1935239  | 1    | 1935239  | 2    | 1935200  | 2    | 1935200  | 2    | 1935239   | 2    | 1935239   | 3    | 1935239   | 3    | 1935239   | 3    | 1935239       |  |
| 1755651  | 1    | 1755651  | 2    | 1755622  | 2    | 1755622  | 2    | 1755651   | 2    | 1755651   | 3    | 1755651   | 3    | 1755651   | 3    | 1755651       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
|          | 1    | 1725250  |      |          | 2    | 1725185  |      |           | 2    | 1725250   |      |           | 3    | 1725250   | 3    | 1725250       |  |
|          | 1    | 1725649  |      |          | 2    | 1725549  |      |           | 2    | 1725649   |      |           | 3    | 1725649   | 3    | 1725649       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
|          | 1    | 1704547  |      |          | 2    | 1704521  |      |           | 2    | 1704547   |      |           | 3    | 1704547   | 3    | 1704547       |  |
| 1933257  | 1    | 1933257  | 2    | 1933228  | 2    | 1933228  | 2    | 1933257   | 2    | 1933257   | 3    | 1933257   | 3    | 1933257   | 3    | 1933257       |  |
|          |      |          |      |          |      |          |      |           |      |           |      |           |      |           |      |               |  |
|          | 1    | 1688586  |      |          | 2    | 1688586  |      |           | 2    | 688586    |      |           | 3    | 1688586   | 3    | 1688586       |  |

(\*) Based on stranded conductors.

# Configuration overview

## UM-BASIC series

**i** Web code: #0313

|          | Description   | Type                            | Profile widths (internal)   |   |   |
|----------|---|---------------------------------|---|---|---|
|          | <b>Order key for UM-BASIC profiles</b>  |                                 | 72 mm   | 108 mm  | 122 mm  |
|          | Example: Order No. 2200148 / Profile width UM-BASIC 72 / Length [cm] 22.5 / Color GY7035  |                                 |  |  |  |
| <b>1</b> | <b>Basic profile</b>  |                                 |   |   |   |
| 1        | PVC profile, profile section, customer-specific according to order key, color: light gray | UM-BASIC PROFILE CM             | 2200149   | 2200149   | 2200149   |
| 1        | Lateral elements (left) with fastening foot for NS 35 DIN rail, color: light gray         | UM-BASIC/PRO ... COVER-L KMGY   | 2202018   | 2202021   | 2202045   |
| 1        | Lateral elements (right) with fastening foot for NS 35 DIN rail, color: light gray        | UM-BASIC/PRO ... COVER-R KMGY   | 2202019   | 2202022   | 2202046   |
| <b>2</b> | <b>Hood profile</b>   |                                 |   |   |   |
| 2        | <b>Order key for U-shaped profile covers</b>  |                                 |   |   |   |
| 2        | Example: Order No. 2200174 / Cover AU 73 / Length [cm] 20                                 |                                 |   |   |   |
| 2        | U-shaped profile cover, low version, 73 mm wide, color: transparent                       | UM-BASIC/PRO A/U N 73 CM        | 2202035   | 2202035   | 2202035   |
| 2        | U-shaped profile cover, high version, 73 mm wide, color: transparent                      | UM-BASIC/PRO A/U 73 CM          | 2202036   | 2202036   | 2202036   |
| 2        | U-shaped profile cover, 92 mm wide, color: transparent                                    | UM-BASIC/PRO A/U 92 CM          | 2202037   | 2202037   | 2202037   |
| 2        | Latching cover for UM-BASIC A/U N 73 CM U-shaped profile cover, color: light gray         | UM-BASIC/PRO LID-73N KMGY       | 2202047   | 2202047   | 2202047   |
| 2        | Latching cover for UM-BASIC A/U 73 CM U-shaped profile cover, color: light gray           | UM-BASIC/PRO LID-73 KMGY        | 2202033   | 2202033   | 2202033   |
| 2        | Latching cover for UM-BASIC A/U N 92 CM U-shaped profile cover, color: light gray         | UM-BASIC/PRO LID-92N KMGY       | 2202034   | 2202034   | 2202034   |
| <b>3</b> | <b>PE contact metals, including mounting screw</b>  |                                 |   |   |   |
| 3        | Version for top PCB   | UM-BASIC/PRO PE CONTACT L1      | 2202025   | 2202025   | 2202025   |
| 3        | Version for middle PCB  | UM-BASIC/PRO PE CONTACT L2      | 2202026   | 2202026   | 2202026   |
| 3        | Version for bottom PCB  | UM-BASIC/PRO PE CONTACT L3      | 2202027   | 2202027   | 2202027   |
| <b>3</b> | <b>Add-on elements for securing PCB</b>   |                                 |   |   |   |
| 3        | Version for top PCB, lateral, color: light gray   | UM-BASIC/PRO PCB S-LOCK KMGY    | 2202031   | 2202031   | 2202031   |
| 3        | Version for top PCB, center, color: light gray  | UM-BASIC/PRO PCB C-LOCK L1 KMGY | 2202028   | 2202028   | 2202028   |
| 3        | Version for middle PCB, center, color: light gray   | UM-BASIC/PRO PCB C-LOCK L2 KMGY | 2202029   | 2202029   | 2202029   |
| 3        | Version for bottom PCB, center, color: light gray   | UM-BASIC/PRO PCB C-LOCK L3 KMGY | 2202030   | 2202030   | 2202030   |
|          | Mounting flange, for direct wall mounting, color: light gray                              | UM-BASIC/PRO MOUNT KMGY         | 2202032   | 2202032   | 2202032   |
|          | Foot element for DIN rail for mounting under UM-BASIC PROFILE, color: light gray          | UM-BASIC/PRO ... FOOT KMGY      | 2202020   | 2202023   | 2202024   |
|          | Screwdriver   | SZF 0-0,4X2,5                   | 1204504   | 1204504   | 1204504   |

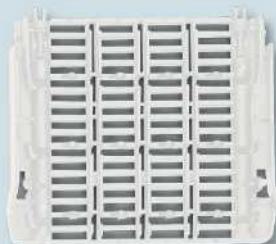
## Configure your electronics housing individually in three steps

1 Select basic profile

2 Select hood profile

3 Select accessories

**Test the UM-BASIC series:**  
Order No. sample set: 52005309



# Configuration overview

## UM-PRO series

**i** Web code: #0314

|          | Description  | Type                    | Profile widths (internal)   |   |   |
|----------|--|-------------------------|---|---|---|
|          | <b>Order key for UM-BASIC profiles</b>   |                         | 72 mm    108 mm    122 mm   |   |   |
|          | Example: Order No. 2200148 / Profile width UM-PRO 72 / Length [cm] 22.5 / Color GY7035 |                         |  |  |  |
| <b>1</b> | <b>Basic profile</b>   |                         |   |   |   |
| 1        | Polyamide profile, customer-specific profile length according to order key             | UM-PRO PROFILE CM       | 2200148   | 2200148   | 2200148   |
| 1        | Lateral elements (left) with fastening foot for NS 35 DIN rail                         | UM-PRO ... COVER-L BK   | 2200151   | 2200155   | 2200158   |
| 1        | Lateral elements (right) with fastening foot for NS 35 DIN rail                        | UM-PRO ... COVER-R BK   | 2200152   | 2200156   | 2200159   |
| <b>2</b> | <b>Hood profile</b>  |                         |   |   |   |
| 2        | <b>Order key for U-shaped profile covers</b>   |                         |   |   |   |
| 2        | Example: Order No. 2200174 / Cover AU 73 / Length [cm] 20                              |                         |   |   |   |
| 2        | U-shaped profile cover, low version, 73 mm wide, color: transparent                    | UM-PRO A/U N 73 CM      | 2200310   | 2200310   | 2200310   |
| 2        | U-shaped profile cover, high version, 73 mm wide, color: transparent                   | UM-PRO A/U 73 CM        | 2200311   | 2200311   | 2200311   |
| 2        | U-shaped profile cover, 92 mm wide, color: transparent                                 | UM-PRO A/U 92 CM        | 2200312   | 2200312   | 2200312   |
| 2        | Latching cover for UM-PRO A/U N 73 CM U-shaped profile cover , color: black            | UM-PRO LID-73N BK       | 2200174   | 2200174   | 2200174   |
| 2        | Latching cover for UM-PRO A/U 73 CM U-shaped profile cover, color: black               | UM-PRO LID-73 BK        | 2200173   | 2200173   | 2200173   |
| 2        | Latching cover for UM-PRO A/U N 92 CM U-shaped profile cover, color: black             | UM-PRO LID-92 BK        | 2200172   | 2200172   | 2200172   |
| <b>3</b> | <b>PE contact metals, including mounting screw</b>                                     |                         |   |   |   |
| 3        | Version for top PCB  | UM-PRO PE CONTACT L1    | 2200161   | 2200161   | 2200161   |
| 3        | Version for middle PCB   | UM-PRO PE CONTACT L2    | 2200162   | 2200162   | 2200162   |
| 3        | Version for bottom PCB   | UM-PRO PE CONTACT L3    | 2200163   | 2200163   | 2200163   |
| <b>3</b> | <b>Add-on elements for securing PCB</b>  |                         |   |   |   |
| 3        | Version for top PCB, lateral, color: black   | UM-PRO PCB S-LOCK BK    | 2200168   | 2200168   | 2200168   |
| 3        | Version for top PCB, center, color: black  | UM-PRO PCB C-LOCK L1 BK | 2200164   | 2200164   | 2200164   |
| 3        | Version for middle PCB, center, color: black   | UM-PRO PCB C-LOCK L2 BK | 2200165   | 2200165   | 2200165   |
| 3        | Version for bottom PCB, center, color: black   | UM-PRO PCB C-LOCK L2 BK | 2200166   | 2200166   | 2200166   |
|          | Mounting flange, for direct wall mounting, color: black                                | UM-PRO MOUNT BK         | 2200171   | 2200171   | 2200171   |
|          | Foot element for DIN rail for mounting under UM-PRO PROFILE, color: black              | UM-PRO ...FOOT BK       | 2200153   | 2200157   | 2200160   |
|          | Screwdriver  | SZF 0-0,4X2,5           | 1204504   | 1204504   | 1204504   |

## Configure your electronics housing individually in three steps

1 Select basic profile

2 Select hood profile

3 Select accessories

**Test the UM-PRO series:**  
Order No. sample set: 52005226



# Configuration overview

## UM-ALU series

**Configure your electronics housing  
individually in three steps**

- 1** Select basic profile
- 2** Specify module profile
- 3** Select accessories

**Test the UM-ALU series:**  
Order No. sample set: 52002012

**1**



**2**



**3**





**Web code:** #0315

|          | <b>Description</b>   | <b>Type</b>                | <b>Profile width (internal)</b>   |   |
|----------|--|----------------------------|---|---|
|          |  |                            | 72 mm   | 100.5 mm  |
|          |  |                            |  |  |
| <b>1</b> | <b>Basic profile, one-piece, anodized aluminum</b>                                       |                            |   |   |
|          | Length 42.5 mm   | UM-ALU 4... PROFILE 42,5   | 2200917   | 2200935   |
|          | Length 60 mm   | UM-ALU 4... PROFILE 60     | 2200918   | 2200936   |
|          | Length 95 mm   | UM-ALU 4... PROFILE 95     | 2200919   | 2200937   |
|          | Length 130 mm  | UM-ALU 4... PROFILE 130    | 2200920   | 2200938   |
|          | Length 165 mm  | UM-ALU 4... PROFILE 165    | 2200921   | 2200939   |
|          | Length 200 mm  | UM-ALU 4... PROFILE 200    | 2200922   | 2200940   |
|          | Length 235 mm  | UM-ALU 4... PROFILE 235    | 2200923   | 2200941   |
|          | Length 990 mm  | UM-ALU 4... PROFILE 990    | 2200924   | 2200942   |
|          | Side plate set, including snap-on foot, anodized aluminum                                | UM-ALU 4... COVER AL       | 2200933   | 2200951   |
|          | Side plate set, incl. snap-on foot, anodized aluminum for upper part profile width 45 mm | UM-ALU 4... COVERLID 45 AL | 2201758   | 2201759   |
|          | Side plate set, incl. snap-on foot, anodized aluminum for upper part profile width 75 mm | UM-ALU 4... COVERLID 75 AL | 2202085   | 2201760   |
| <b>2</b> | <b>Module profile, upper part with 45 mm profile width, anodized aluminum</b>            |                            |   |   |
|          | Length 42.5 mm   | UM-ALU 4 AU45 L42,5        | 2200954   | 2200954   |
|          | Length 60 mm   | UM-ALU 4 AU45 L60          | 2200955   | 2200955   |
|          | Length 95 mm   | UM-ALU 4 AU45 L95          | 2200956   | 2200956   |
|          | Length 130 mm  | UM-ALU 4 AU45 L130         | 2200957   | 2200957   |
|          | Length 165 mm  | UM-ALU 4 AU45 L165         | 2200958   | 2200958   |
|          | Length 200 mm  | UM-ALU 4 AU45 L200         | 2200959   | 2200959   |
|          | Length 235 mm  | UM-ALU 4 AU45 L235         | 2200960   | 2200960   |
|          | Length 990 mm  | UM-ALU 4 AU45 L990         | 2200961   | 2200961   |
| <b>3</b> | <b>Module profile, upper part with 75 mm profile width, anodized aluminum</b>            |                            |   |   |
|          | Length 42.5 mm   | UM-ALU 4 AU75 L42,5        | 2200963   | 2200963   |
|          | Length 60 mm   | UM-ALU 4 AU75 L60          | 2200964   | 2200964   |
|          | Length 95 mm   | UM-ALU 4 AU75 L95          | 2200965   | 2200965   |
|          | Length 130 mm  | UM-ALU 4 AU75 L130         | 2200966   | 2200966   |
|          | Length 165 mm  | UM-ALU 4 AU75 L165         | 2200967   | 2200967   |
|          | Length 200 mm  | UM-ALU 4 AU75 L200         | 2200968   | 2200968   |
|          | Length 235 mm  | UM-ALU 4 AU75 L235         | 2200969   | 2200969   |
|          | Length 990 mm  | UM-ALU 4 AU75 L990         | 2200970   | 2200970   |
| <b>3</b> | <b>Basic profile front plate, anodized aluminum</b>                                      |                            |   |   |
|          | Length 42.5 mm   | UM-ALU 4... FRONT 42,5 AP  | 2202086   | 2202094   |
|          | Length 60 mm   | UM-ALU 4... FRONT 60 AP    | 2202087   | 2202095   |
|          | Length 95 mm   | UM-ALU 4... FRONT 95 AP    | 2202088   | 2202096   |
|          | Length 130 mm  | UM-ALU 4... FRONT 130 AP   | 2202089   | 2202098   |
|          | Length 165 mm  | UM-ALU 4... FRONT 165 AP   | 2202090   | 2202099   |
|          | Length 200 mm  | UM-ALU 4... FRONT 200 AP   | 2202091   | 2202100   |
|          | Length 235 mm  | UM-ALU 4... FRONT 235 AP   | 2202092   | 2202101   |
|          | Length 990 mm  | UM-ALU 4... FRONT 990 AP   | 2202093   | 2202102   |
| <b>3</b> | <b>Accessories</b>   |                            |   |   |
|          | Snap-on foot for DIN rail, including screw (optional)                                    | UM-ALU 4 FOOT              | 2200974   | 2200974   |

# Configuration overview

## HC-ALU series

**i** Web code: #0317

|                                 | Description   | Type                     | Width (internal) |         |          |         |
|---------------------------------|---|--------------------------|------------------|---------|----------|---------|
|                                 |   |                          | 53.5 mm          | 78 mm   | 100.5 mm | 161 mm  |
| <b>1</b> Aluminum profile split |   |                          |                  |         |          |         |
| 1                               | Profile section 100 mm  | HC-ALU 6... PROFILE 100  | 2200887          | 2200892 | 2200897  | 2200902 |
| 1                               | Profile section 150 mm  | HC-ALU 6... PROFILE 150  | 2200888          | 2200893 | 2200898  | 2200903 |
| 1                               | Profile section 200 mm  | HC-ALU 6... PROFILE 200  | 2200889          | 2200894 | 2200899  | 2200904 |
| 1                               | Profile section 1000 mm   | HC-ALU 6... PROFILE 1000 | 2200890          | 2200895 | 2200900  | 2200905 |
| <b>2</b> Cover                  |   |                          |                  |         |          |         |
| 2                               | End cover, with screws and seal   | HC-ALU 6... COVER GY     | 2200891          | 2200896 | 2200901  | 2200906 |
| 2                               | End cover, with hinged cover, screws and seal   | HC-ALU 6... DKL-COVER GY | 2201121          | 2201122 | 2201123  |         |
| 2                               | EMC seal (optional)   | HC-ALU 6... SEAL EMC     | 2200907          | 2200908 | 2200909  | 2200910 |
| <b>3</b> Accessories            |   |                          |                  |         |          |         |
| 3                               | Decorative strip, dark gray, length = 98.4 mm   | HC-ALU 6 DECO 100 GY     | 2200914          | 2200914 | 2200914  | 2200914 |
| 3                               | Decorative strip, dark gray, length = 148.4 mm  | HC-ALU 6 DECO 150 GY     | 2200915          | 2200915 | 2200915  | 2200915 |
| 3                               | Decorative strip, dark gray, length = 198.4 mm  | HC-ALU 6 DECO 200 GY     | 2200916          | 2200916 | 2200916  | 2200916 |
| 3                               | Panel fastening, including cover caps, for 100 mm profile section   | HC-ALU 6 MOUNT 100 GY    | 2200911          | 2200911 | 2200911  | 2201327 |
| 3                               | Panel fastening, including cover caps, for 150 mm profile section   | HC-ALU 6 MOUNT 150 GY    | 2200912          | 2200912 | 2200912  | 2201332 |
| 3                               | Panel fastening, including cover caps, for 200 mm profile section   | HC-ALU 6 MOUNT 200 GY    | 2200913          | 2200913 | 2200913  | 2201334 |
| 3                               | Torx® screwdriver set with TX 10x80   | SF-TXH SET               | 1212538          | 1212538 | 1212538  | 1212538 |
| 3                               | Bit screwdriver set with quick-action chuck   | SF-M SET                 | 1212543          | 1212543 | 1212543  | 1212543 |
| 4                               | M12 flush-type connector and cables, see <a href="http://www.phoenixcontact.com">www.phoenixcontact.com</a> |                          |                  |         |          |         |

## Configure your electronics housing individually in just four steps

- 1 Define profile
- 2 Select cover
- 3 Select accessories
- 4 Define connection technology

**Test the HC-ALU series:**  
Order No. sample set: 52002014

1



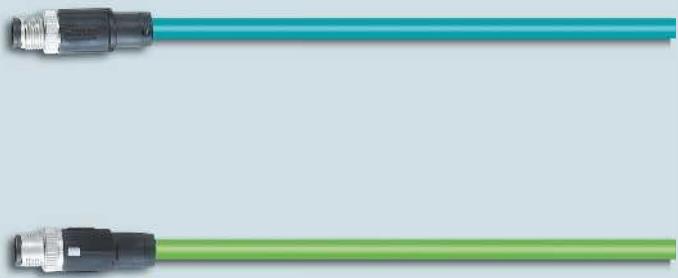
2



3



4



# Light guides for electronics housings

new

| Series  | Order number | Item name               | Alignment  | Display size | Number of displays       | Pitch   |
|---|--------------|-------------------------|------------|--------------|--------------------------|---------|
|    | 2202311      | HS LC-V-D3/ R2xC1-5,08  | Vertical   | ø 3 mm       | 2 (2 rows x 1 column)    | 5.08 mm |
|   | 2202312      | HS LC-V-D3/ R3xC1-5,08  | Vertical   | ø 3 mm       | 3 (3 rows x 1 column)    | 5.08 mm |
|    | 2202313      | HS LC-H-D3/ R1xC1       | Horizontal | ø 3 mm       | 1 (1 row x 1 column)     |         |
|    | 2202314      | HS LC-H-5x2/ R1xC1      | Horizontal | 5 x 2 mm     | 1 (1 row x 1 column)     |         |
|  | 2202315      | HS LC-H-D3/ R2xC1-5,08  | Horizontal | ø 3 mm       | 2 (2 rows x 1 column)    | 2.54 mm |
|  | 2202316      | HS LC-H-D2/ R2xC1-2,54  | Horizontal | ø 2 mm       | 2 (2 rows x 1 column)    | 2.54 mm |
|   | 2202317      | HS LC-H-D2/ R2xC2-2,54  | Horizontal | ø 2 mm       | 4 (2 rows x 2 columns)   | 2.54 mm |
|   | 2202318      | HS LC-H-D2/ R2xC5-2,54  | Horizontal | ø 2 mm       | 10 (2 rows x 5 columns)  | 2.54 mm |
|   | 2202319      | HS LC-H-D2/ R2xC10-2,54 | Horizontal | ø 2 mm       | 20 (2 rows x 10 columns) | 2.54 mm |
|  | 2202320      | HS LC-H-D2/ R4xC2-2,54  | Horizontal | ø 2 mm       | 8 (4 rows x 2 columns)   | 2.54 mm |
|   | 2202321      | HS LC-H-D2/ R4xC5-2,54  | Horizontal | ø 2 mm       | 20 (4 rows x 5 columns)  | 2.54 mm |
|   | 2202322      | HS LC-H-D2/ R4xC9-2,54  | Horizontal | ø 2 mm       | 36 (4 rows x 9 columns)  | 2.54 mm |
|   | 2202323      | HS LC-H-D2/ R4xC10-2,54 | Horizontal | ø 2 mm       | 40 (4 rows x 10 columns) | 2.54 mm |



| <b>ESD protection</b> | <b>Material of the light guide</b> | <b>Ambient temperature</b> | <b>LED recommendations (manufacturer: Osram)</b>  | <b>Recommended housing use</b>         |
|-----------------------|------------------------------------|----------------------------|---|--|
| <12 kV                | UL94 crystal clear PC              | -40°C ... +85 °C           | LS T670 LS T679 LS T676 LT T673<br>LY T670 LY T679 LO T676 LW T673<br>LG T670 LG T679 LY T676<br>LSG T670 | BC 35,6 ... BC 161,6                   |
| <12 kV                | UL94 crystal clear PC              | -40°C ... +85 °C           | LS T670 LS T679 LS T676 LT T673<br>LY T670 LY T679 LO T676 LW T673<br>LG T670 LG T679 LY T676<br>LSG T670 | BC 35,6 ... BC 161,6                   |
| <12 kV                | UL94 crystal clear PMMA            | -40°C ... +85 °C           | LS T670 LS T679 LS T676 LT T673<br>LY T670 LY T679 LO T676 LW T673<br>LG T670 LG T679 LY T676<br>LSG T670 | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <12 kV                | UL94 crystal clear PMMA            | -40°C ... +85 °C           | LS T670 LS T679 LS T676 LT T673<br>LY T670 LY T679 LO T676 LW T673<br>LG T670 LG T679 LY T676<br>LSG T670 | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| 6.5 kV ... <12 kV     | UL94 crystal clear PC              | -40°C ... +85 °C           | LS M670 LS M676 LY M676<br>LG M670 LO M676 LT M673  | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <8 kV                 | UL94 crystal clear PC              | -40°C ... +85 °C           | LG Q971 LS Q976<br>LY Q971 LY Q976<br>LO Q976   | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <8 kV                 | UL94 crystal clear PC              | -40°C ... +85 °C           | LG Q971 LS Q976<br>LY Q971 LY Q976<br>LO Q976   | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <8 kV                 | UL94 crystal clear PC              | -40°C ... +85 °C           | LG Q971 LS Q976<br>LY Q971 LY Q976<br>LO Q976   | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <8 kV                 | UL94 crystal clear PC              | -40°C ... +85 °C           | LG Q971 LS Q976<br>LY Q971 LY Q976<br>LO Q976   | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <8 kV                 | UL94 crystal clear PC              | -40°C ... +85 °C           | LG Q971 LS Q976<br>LY Q971 LY Q976<br>LO Q976   | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <8 kV                 | UL94 crystal clear PC              | -40°C ... +85 °C           | LG Q971 LS Q976<br>LY Q971 LY Q976<br>LO Q976   | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |
| <8 kV                 | UL94 crystal clear PC              | -40°C ... +85 °C           | LG Q971 LS Q976<br>LY Q971 LY Q976<br>LO Q976   | BC 17,8. ME, ME MAX, ME-IO, ME-PLC, EH |

# Customer-specific electronics 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 a completely new development.



## Your options



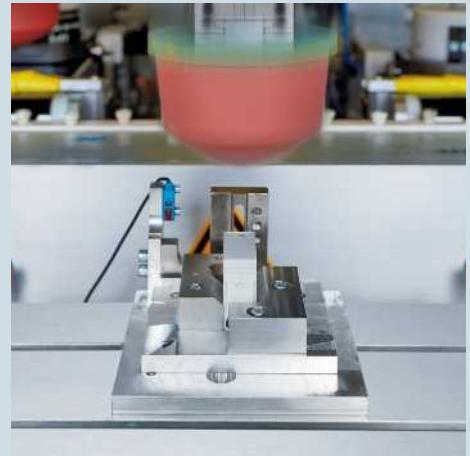
### Many color versions

Electronics housings can also be produced in colors other than the standard color, either completely or as a combination of different colored housing parts. Our ability to reproduce your own company color maximizes the brand recognition factor.



### Mechanical processing

State-of-the-art milling machines can create customer-specific machined holes on each side of the housing. This eliminates additional production steps and related logistical procedures for you. Your storage requirements are limited to the installed components.



### Customized printing and marking

- Pad printing: ideal for single- or two-color printing
- Screen printing: for printing in multiple colors on larger surfaces
- Laser marking: ideal for contents that change periodically such as serial numbers



### Tool modification

For large volumes, injection molding is often a more cost-effective approach than mechanical finishing. We offer you the option of producing customized housing components directly from an original mold.

### New components

To deliver a solution tailored to your specific requirements, it is sometimes necessary to replace individual standard housing parts with customer-specific designs. We design housing parts according to your specifications and combine them with proven standard components.

### Customized new developments

Do you need a new, special housing designed according to your requirements? With the expertise of an experienced housing specialist, we will support and assist you through all the necessary steps.



Always up-to-date, always available to you. Here you'll find everything on our products, solutions and service:

**phoenixcontact.com**

## Product range

- Cables and wires
- Connectors
- Controllers
- Electronics housings
- Electronic switchgear and motor control
- Fieldbus components and systems
- Functional safety
- HMIs and industrial PCs
- I/O systems
- Industrial communication technology
- Industrial Ethernet
- Installation and mounting material
- Lighting and signaling
- Marking and labeling
- Measurement and control technology
- Modular terminal blocks
- Monitoring
- PCB terminal blocks and PCB connectors
- Power supply units and UPS
- Protective devices
- Relay modules
- Sensor/actuator cabling
- Software
- Surge protection and interference filters
- System cabling for controllers
- Tools
- Wireless data communication

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstraße 8  
32825 Blomberg, Germany  
Phone: + 49 5235 3-00  
Fax: + 49 5235 3-41200  
E-mail: [info@phoenixcontact.com](mailto:info@phoenixcontact.com)  
[phoenixcontact.com](http://phoenixcontact.com)