ELECTROUSTIC
DISTRIBUTION OF CONNECTIVITY SOLUTIONS

Electronics housings

Product overview 2016/2017

PHOENIX CONTACT
INSPIRING INNOVATIONS

Electronics housings for industrial, building and field applications

Full flexibility in shape, color and function – this is the philosophy behind the electronics housings from Phoenix Contact. Whether on the wall, as a handheld housing or on the DIN rail, from light gray to sky blue, narrow or wide: You will always find the correct housing with the suitable connection technology for your electronics.

Building installation housings

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

Web code: #0514

Field housings

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

Contents

Electronics housings for industry

- 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

Find out more with the web code

In this brochure, you can find web codes: a pound sign followed by a four-digit number combination.

Web code: #1234 (example)

This allows you to access 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. Get more information and product versions

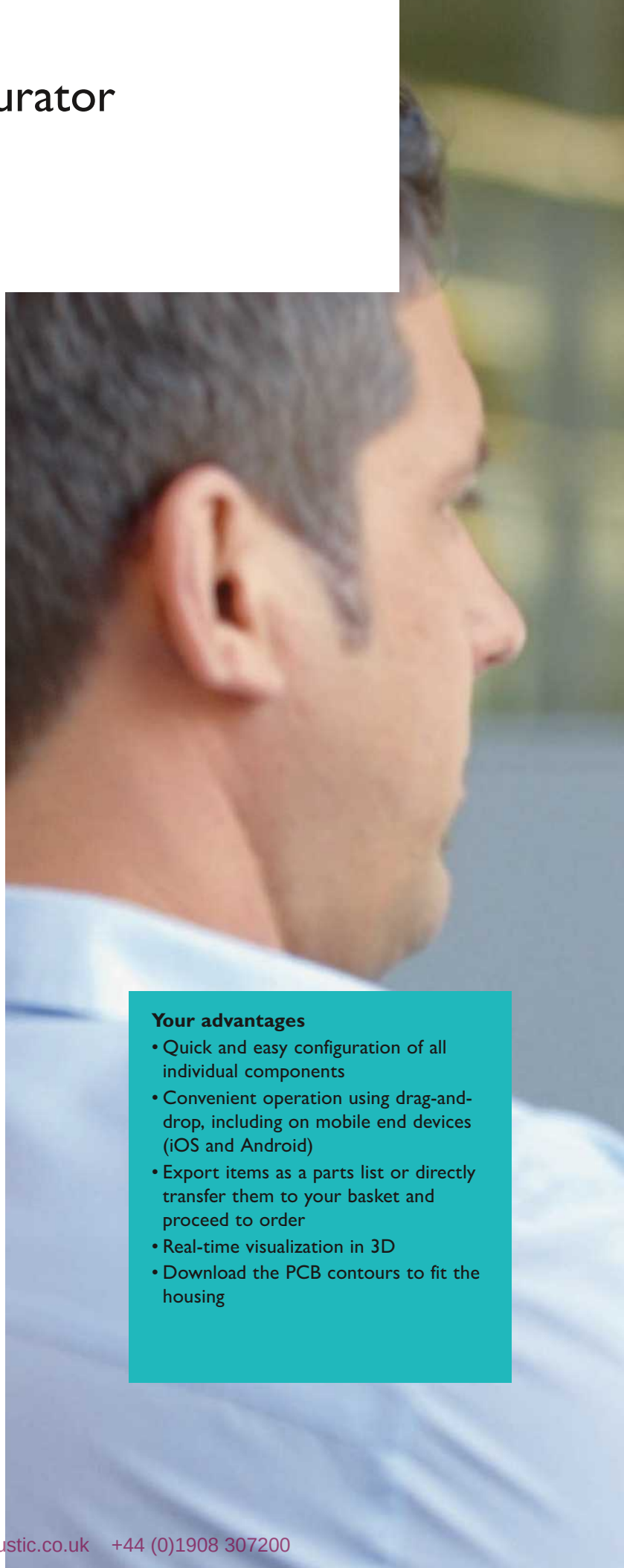
#1234 Search

Or use the direct link:
phoenixcontact.net/webcode/#1234

Interactive online configurator for electronics housings

Intelligent combinatorics, interactive component selection, and real-time visualization in 3D: put together your electronics housings in just a few steps with the new online configurator. Simply select the desired housing product range and size, add the appropriate connection technology and you are done.

Web code:
#0512



Your advantages

- Quick and easy configuration of all individual components
- Convenient operation using drag-and-drop, including on mobile end devices (iOS and Android)
- Export items as a parts list or directly transfer them to your basket and proceed to order
- Real-time visualization in 3D
- Download the PCB contours to fit the housing

Three easy steps to your electronics housing

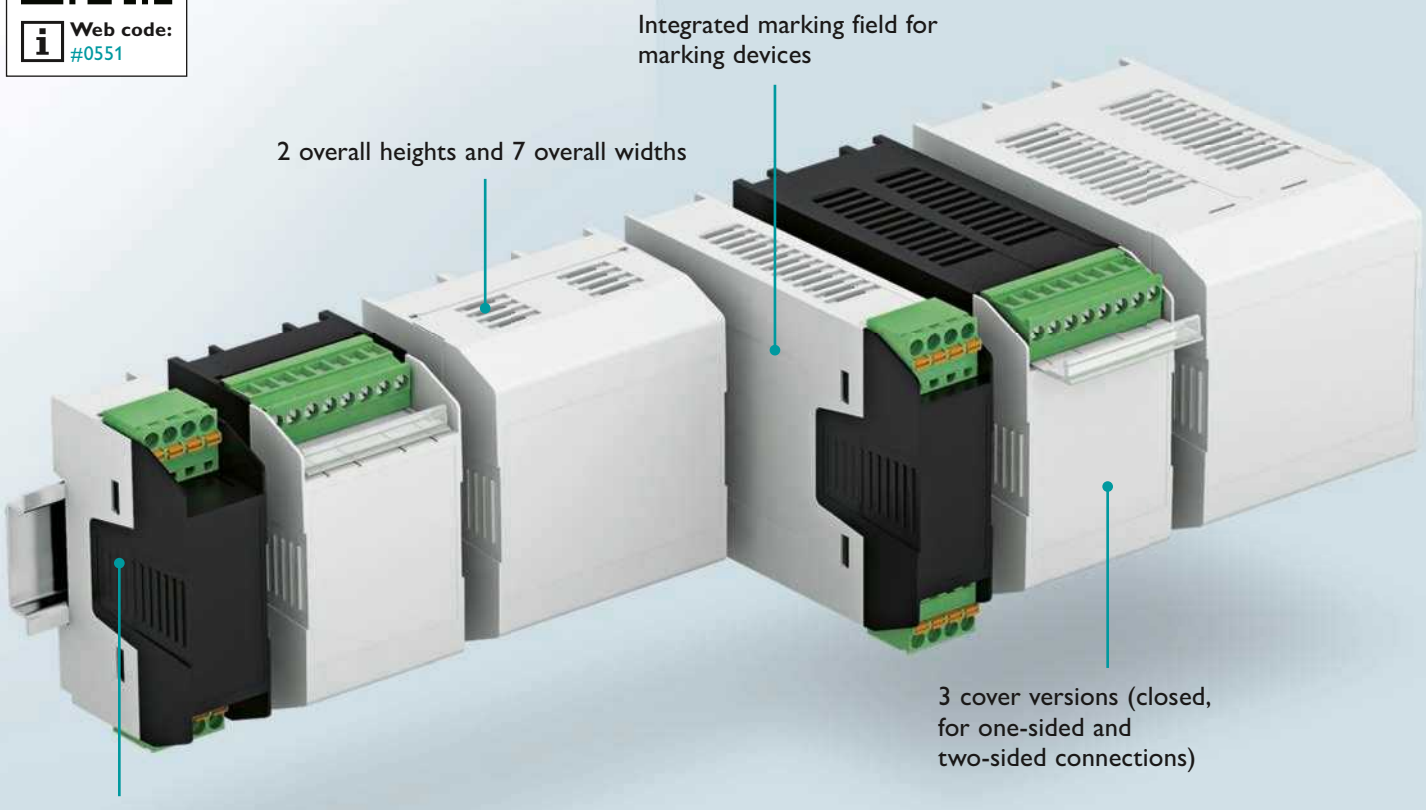
1. Quickly select the housing
2. Easy configuration using drag-and-drop
3. Download complete documentation

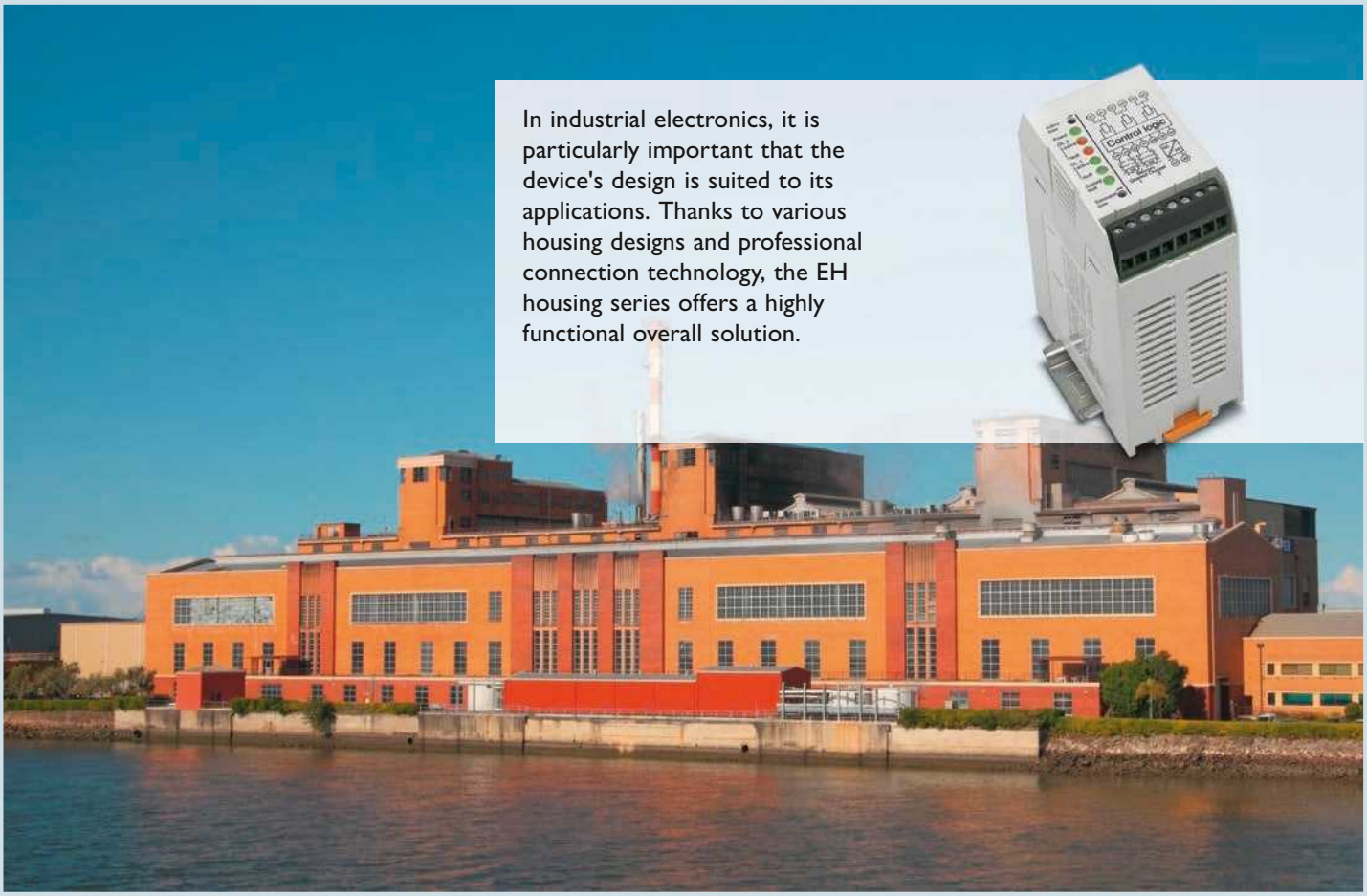
new

EH basic housings for universal applications

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

Web code: #0551





In 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

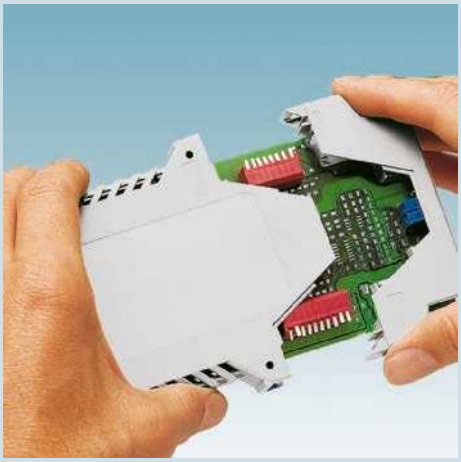
Modular ME housings in an easy-to-install cup shape

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.

Web code: #0902

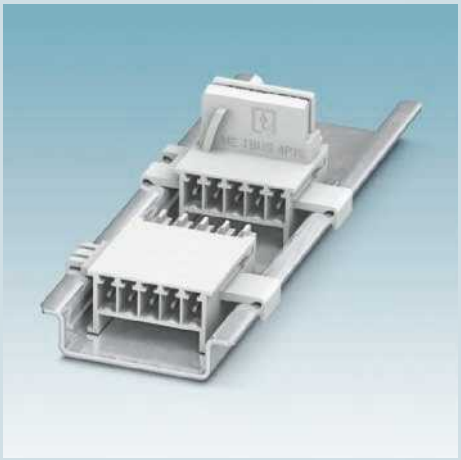
Speed and reliability are indispensable in the machine building and automotive sectors. Design production controls using our easy-to-install modular system.

Advantages at a glance



Cup principle for short assembly times

Integrated bus connector with up to 12 positions

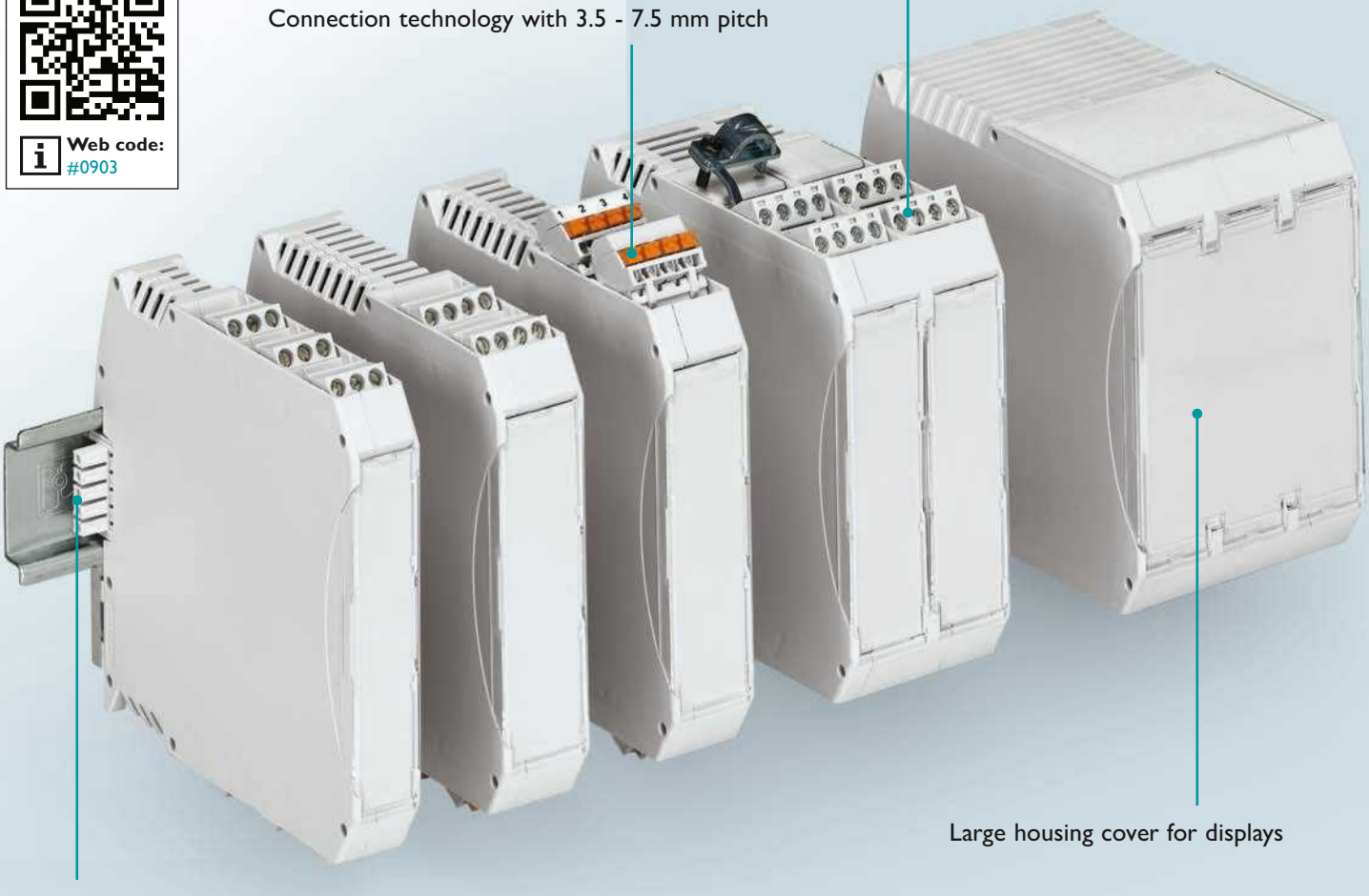


DIN rail connector for reliable module contacting

ME-MAX modular housings in flexible modular design

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

Web code: #0903



DIN rail connectors: optionally with 5 parallel contacts or 4 parallel contacts and one serial contact (12.5 mm housing width features PIN strip connection to bus connector)

The variable housing design factor and compatibility of connection technology make it ideal for creating remote control stations for energy networks, for example.

Advantages at a glance

Modular housing design for variable geometries

Connection technology for signal, data, and power transmission

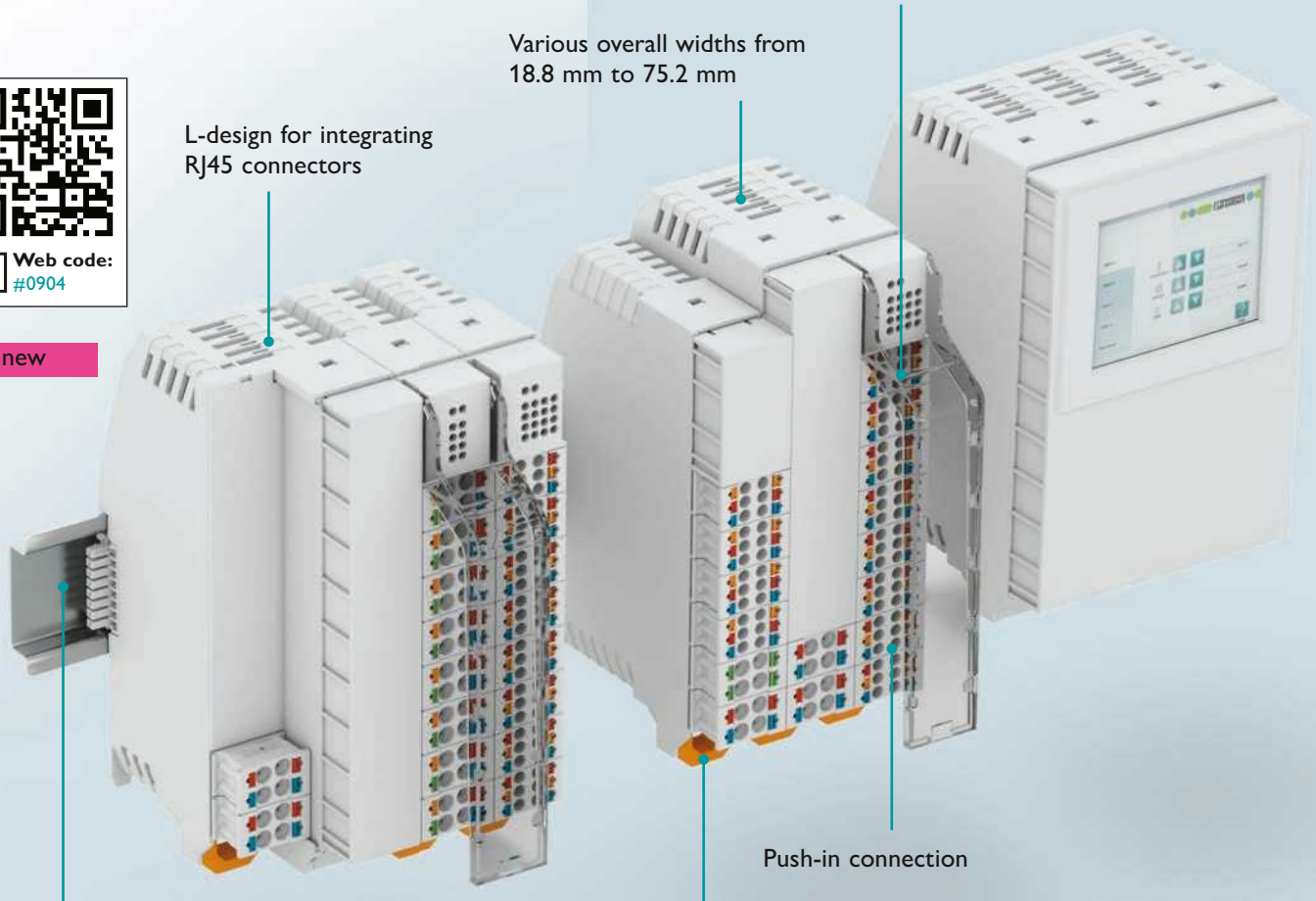
Power connectors for simple module contacting

ME-IO multifunctional housings with modular front connection technology

The ME-IO modular housing system is particularly well suited for customized electronics components in the area of controllers and I/O modules.
The push-in connection technology in the front area can be integrated into the various overall widths and enables implementation of small devices with up to 54 positions.

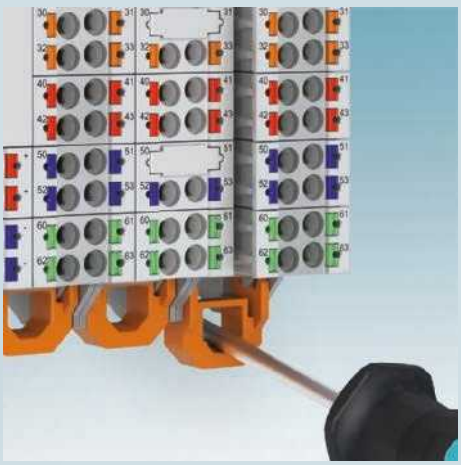
Web code: #0904

new

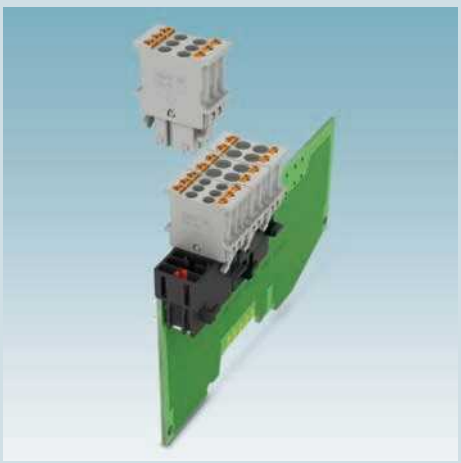


There is limited space for the controller and I/O systems that are used with packing and assembly machines. In spite of this, comprehensive functions must be implemented using a variety of signal inputs and outputs. ME-IO is the optimum implementation solution for this requirement.

Advantages at a glance



Easy installation and removal thanks to the Lock and Release system



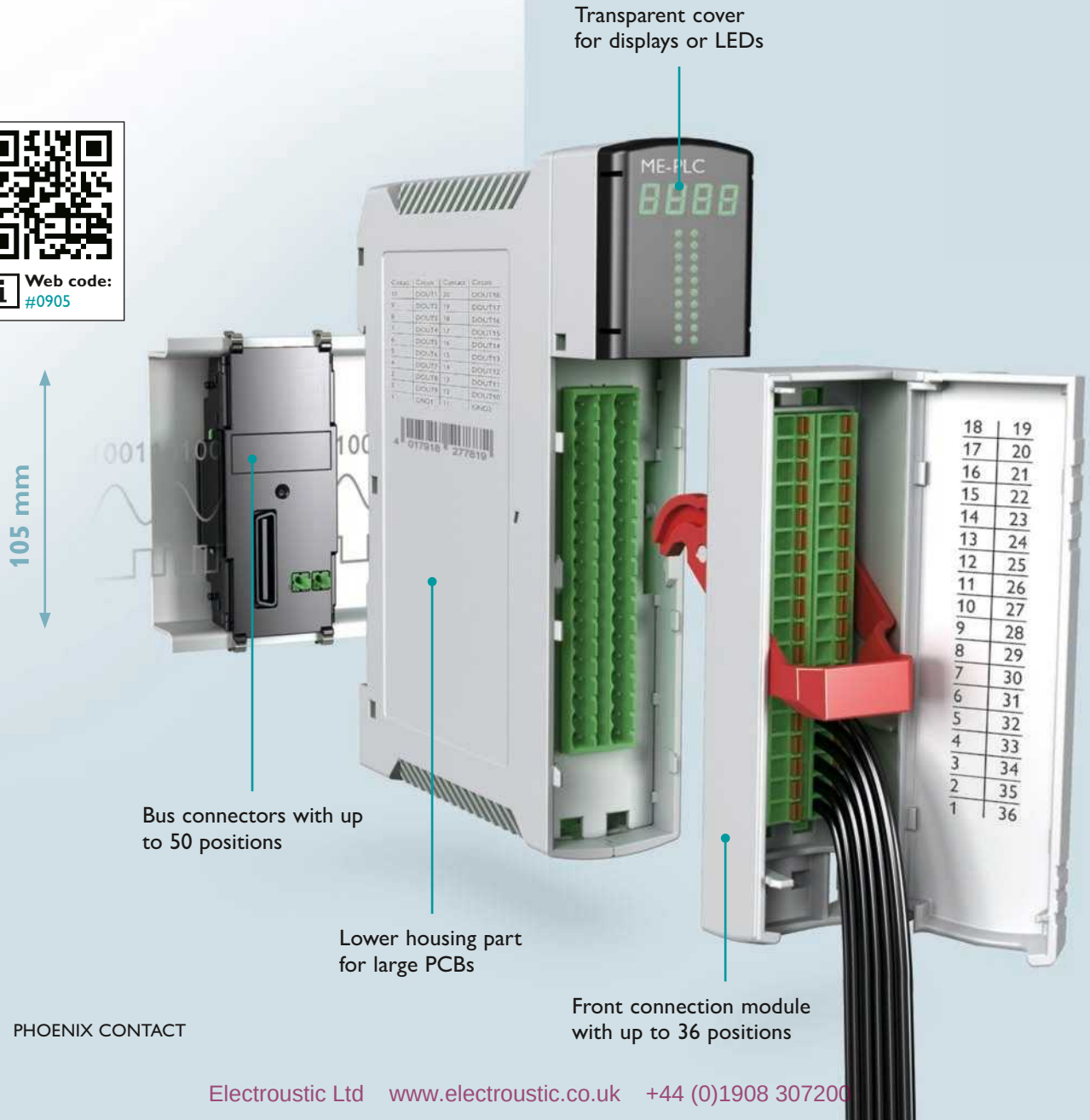
Connection variants possible by combining 4-pos. and 6-pos. plugs

Convenient connection of ME-MAX and ME-IO using DIN rail connector

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.

Web code: #0905



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.

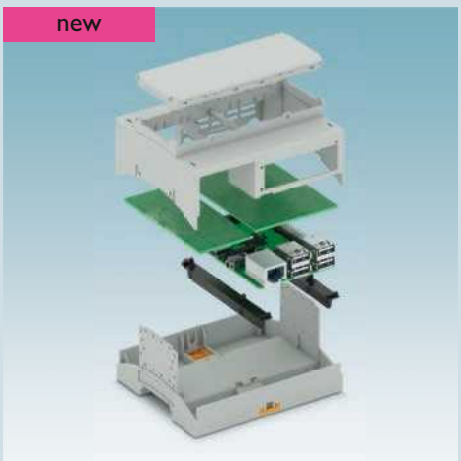
It can be used in any distributor board thanks to the internationally established DIN 43880 standard. In addition to a state-of-the-art design, this housing series also features many connection technologies and a high-position DIN rail connector.
The housing is also suitable for direct wall mounting.

Web code: #0310

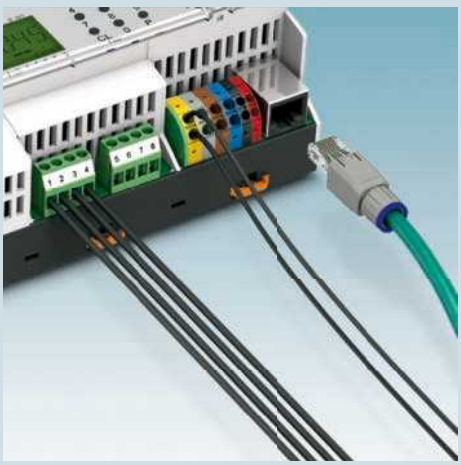
Integrate your electronics for building automation into modern housings from the BC series with the right connection technology. The housing can also be sealed to protect against unauthorized access.

Advantages at a glance

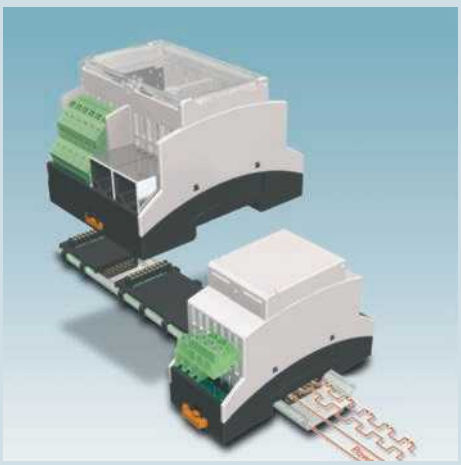
new



Simply integrate Raspberry Pi into the RPI-BC DIN rail housing, perforated boards are available as an option.



Free choice of connection technology



Serial and parallel 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.

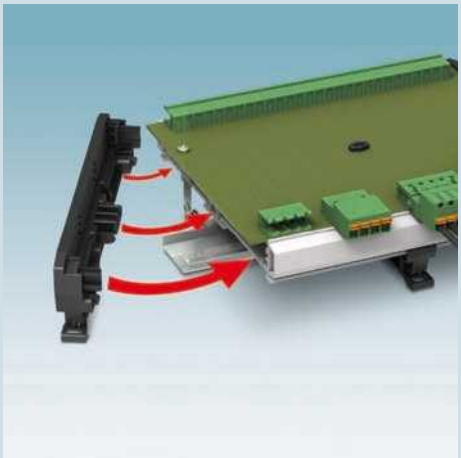
With fast mounting and availability in all dimensions, flexible housing systems such as the UM-BASIC and UM-PRO series have been designed especially with these applications in mind.

Web code: #0312

Industrial electronics such as I/O boards often rely on flexibility, a functional design and quick assembly. The selection of suitable materials based on the temperature requirements also proves to be a decisive factor.

Advantages at a glance

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



Tool-free device assembly using the snap-mount principle

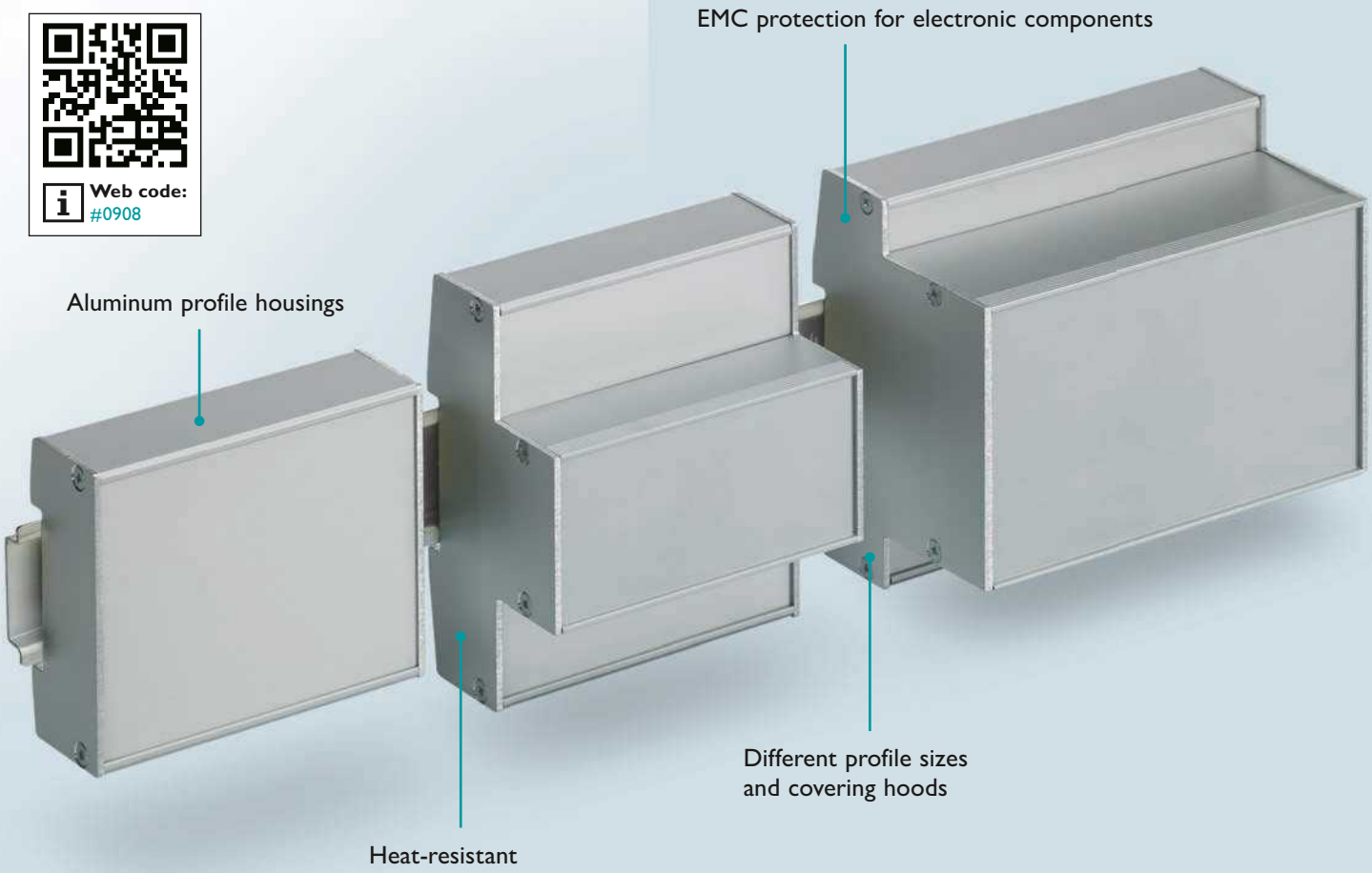
High degree of flexibility thanks to freely positionable covering hoods

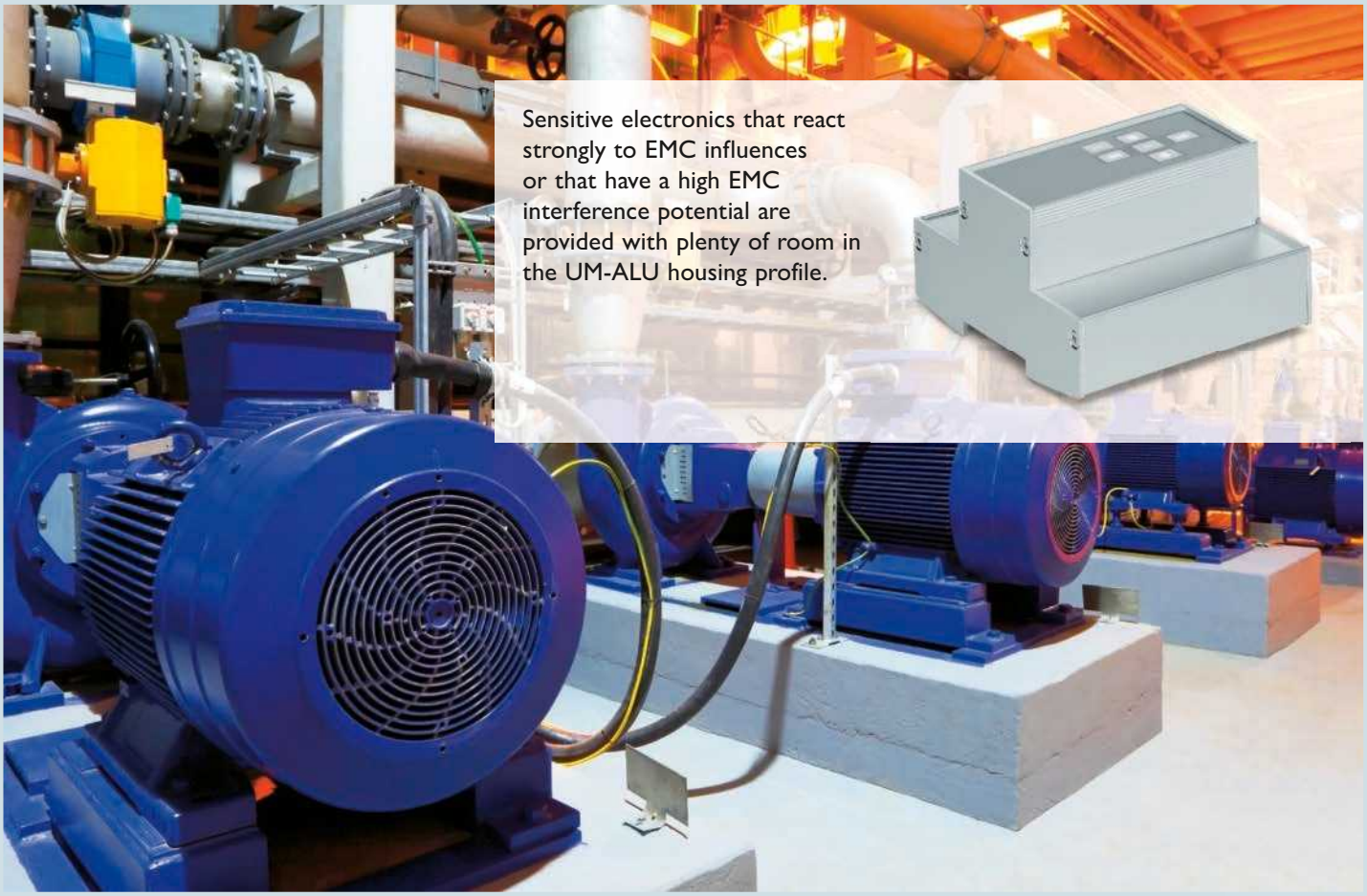
Flexible UM-ALU press-drawn section housings for EMC-sensitive electronics

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.

Web code: #0908

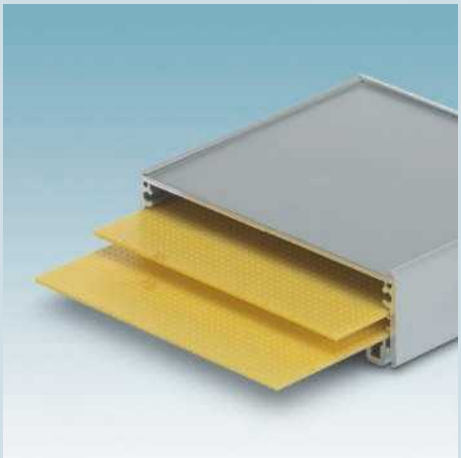




Advantages at a glance

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

Various covering hoods ensure optimum protection against contact



Flexible installation levels enable correct device development for your applications

Robust 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.

Web code: #0317

Aluminum press-drawn section

Soft-edge design

IP65 degree of protection
(IP66 on request)

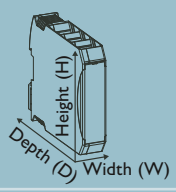
Advantages at a glance

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

		Universal basic housings	Modular housings		Multi-functional
					new
	Web code:	#0387	#0305	#0306	#0308
Housing series		EH	ME	ME-MAX	ME-IO
Mounting	On DIN rail (TS) DIN EN 60715	TS35	TS35	TS35	TS35
	Other	Wall mounting, direct fastening			
Temperature range	[°C]	-40° ... +80°	-40° ... +105°	-40° ... +105°	-40° ... +105°
Degree of protection	In acc. with DIN EN 60529	IP20	IP20	IP20	IP20
Dimensions 	Width [mm]	22.5/35/45/52.5/67.5 70/90	12.5/17.5/22.5 35/45/67.5/90	6.2/12.5/17.5/22.5 35/45/67.5/90	18.8/37.6/75.2
	Depth [mm]	50/110	92/106/114.5	70.4/92/114.5	77
	Height [mm]	75.4	99	85/99	113/124
PCB surface	Max. usable surface [mm²]	5600 to 7200	2000 ... 6600	3400 ... 8500	3370 ... 6483
Power dissipation	Max. dissipated power [W] in direct apposition	4.4 ... 10.4	5.2 ... 10.4	5.2 ... 8.2	2.8
PCB connection	Max. number of positions for 3.5 mm pitch	5 ... 21	5 ... 40	18 ... 120	54
	Max. number of positions for 5.0 mm pitch	4 ... 17	4 ... 32	8 ... 96	36
	Max. number of positions for 7.25 and 7.5 mm pitches		3 ... 24	12 ... 72	
Bus connector	Type		DIN rail connector [1] Integrated cross connector [2]	DIN rail connector [3] Power bus connector (PCO) [4]	DIN rail connector
	Type		ME 17,5 TBUS [1] ME 22,5 TBUS [1]	ME 6,2 TBUS [3] ME 17,5 TBUS [3] ME 22,5 TBUS [3] PBR [4]	TBUS8 18,8
	Number of positions		5 [1] 5 [2] 10 [2]	5 [3] 2 [4]	5 8
	Current carrying capacity (depends on the derating)		max. 5 x 8 A, 125 V DC [1] max. 5 x 8 A, 125 V DC [2]	max. 5 x 8 A, 125 V DC [3] 42 A, 60 V DC [4]	max. 8 x 6 A, <30 V
Material	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
	new	new				
						
#0309	#0311	#0664	#0313	#0314	#0315	#0925
ME-PLC	BC	RPI-BC	UM-BASIC	UM-PRO	UM-ALU	HC-ALU
TS105 or 2x TS35	TS35	TS35	TS35	TS35	TS35	
	Wall mounting, direct fastening	Wall mounting, direct fastening	Wall mounting, direct fastening	Wall mounting, direct fastening		Handheld, wall mounting, direct fastening
-40° ... +125°	-40° ... +125°	-40 ... +105°	-15° ... +50°	-40° ... +100°	-40° ... +100°	-40° ... +70°
IP20	IP20	IP20			IP20	IP65
40	17.8 (1 div.) Up to 161.6 (9 div.)	107.6 (6 div.)	Profile length freely selectable 30 ... 1000	Profile length freely selectable 30 ... 1000	Profile length 42.5/60/95/130 165/200/235/990	Profile length 100/150/200/1000
159	62.2	62.2	40	40	33	33/55
180	89.7	89.7	72/108/122 Internal dimensions of the PCB holder	72/108/122 Internal dimensions of the PCB holder	72/100.5 Internal dimensions of the PCB holder	53.5/78/100.5/161 Internal dimensions of the PCB holder
15,000	2200 ... 13,000	For Raspberry Pi boards, add 8200 mm²	700/cm	1200/cm	3000 ... 97,000/cm	5000 ... 158,000
Approx. 25	2.95 ... 16.95	13.08				
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	Optional configuration
DIN rail connector (only with TS105)	DIN rail connector	DIN rail connector	Integrated cross connector	Integrated cross connector		
ME PLC 40 BUS 10 [5] ME PLC 40 BUS 50 [6]	HBUS	HBUS	Optional configuration	Optional configuration		
10 [5] 50 [6]	16	16	Optional configuration	Optional configuration		
8 A, 160 V [5] 1 A, 30 V [6]	max. 3 A/pos., 60 V DC	max. 3A/pos., 60 V DC	Optional configuration	Optional configuration		
PC (polycarbonate)	PC (polycarbonate)	PC (polycarbonate)/ PA (polyamide)	PVC	Reinforced PA (polyamide)	Anodized aluminum	Anodized aluminum
V0 (UL94)	V0 (UL94)	V0 (UL94)	V0 (UL94)	V0 (UL94)		

(1) All information pertains to the TBUS DIN rail connector
(2) All information pertains to the integrated cross connector
(3) TBUS DIN rail connector
(4) PBR power connector with PCO connection technology
(5) ME-PLC-BUS DIN rail connector 10-pos.
(6) ME-PLC-BUS DIN rail connector 50-pos.

Configuration overview
EH series

Web code: #0387

1 Lower housing part				2 Upper housing part			3
Lower housing part Design	**Color**	**Housing width**	**Order No.**	**One side open**	**Both sides open**	**Both sides closed**	
							
Tall design 	Light gray (similar to RAL 7035)	22.5 mm	2201248	2201250	2201251	2201252	4-pos., green 5-pos., light gray
		35 mm	2201738	2201744	2201750	2200241	5-pos., light gray (2 pcs. required) 6-pos., green
		45 mm	2201483	2201509	2201512	2201513	8-pos., green 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
							
Tall design 	Black (similar to RAL 9005)	22.5 mm	2201249	2201253	2201254	2201255	4-pos., green 5-pos., black
		35 mm	2201739	2201745	2201751	2200253	6-pos., green 5-pos., black (2 pcs. required)
		45 mm	2201484	2201510	2201511	2201514	8-pos., green 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 blocks		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
				Left version	Right version	Left version	Right version	
1712805	1721045	1753479	1758034	1850453	1847123	2202330	2202331	
1701144	1721346	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	
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
EH series

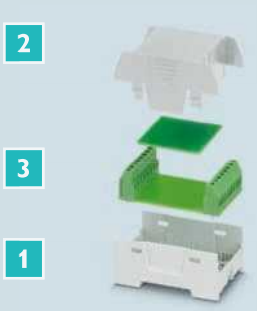
Web code: #0387

1 Lower housing part				2 Upper housing part			3	
							PCB terminal blocks	
								5.08 mm pitch
								Horizontal
Lower housing part Design	Color	Housing width	Order No.	One side open	Both sides open	Both sides closed		
								
								MKDS 3/...
Flat design 	Light gray (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
								
Flat design 	Black (similar to RAL 9005)	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

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	
1721346	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
							
1721045	1753479	1758034	4-pos., black	1933202	5-pos., green	1803455	
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 series

Web code: #0305

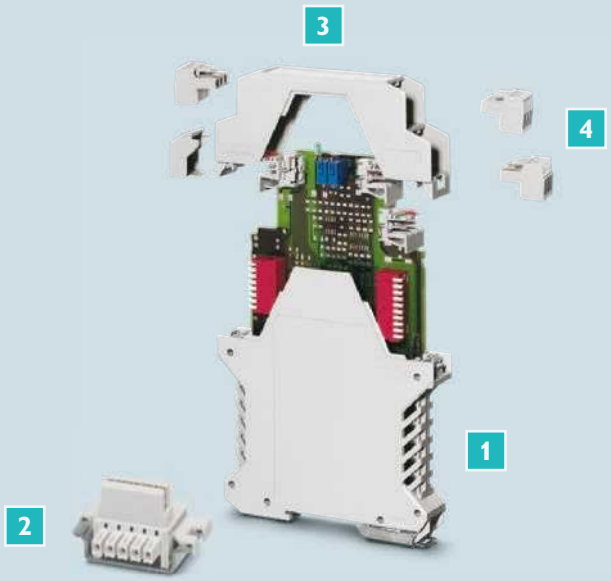
1 Lower housing part

Housing	Housing width	Without bus connector	With integrated bus connector				For DIN rail bus connector
			Number of positions: 5	Number of positions: 5 parallel + 2 serial	Number of positions: 10 parallel	Number of positions: 10 parallel + 2 serial	Number of positions: 5
							
	Type	ME…UT	ME…UT BUS/5	ME...UT/FE..BUS *** 5+2	ME…UT/FE... BUS/10***	ME...UT/FE...BUS***	ME…TBUS
Tall design (standard) Total height 114.5 mm *) 	12.5 mm	2869430					
	17.5 mm	2869427	2201851	2201855	2854034	2201859	2914783
	22.5 mm	2907732	2201852	2201856	2707482	2890108	2869524
	35 mm	2915148	2201853	2201857	2854050	2201860	2914819
	45 mm	2709655	2201854	2201858	2854063	2695536	2869511
	67.5 mm	2201238		2200537	2200539	2200541	2200544
	90 mm	2200279		2200538	2200540	2200543	2200545
Flat design Total height 106 mm *) 	22.5 mm	2709781					2914835
Ultra-flat design Total height 92 mm *) 	22.5 mm	2201861					

Configure your electronics housing individually in four steps

1. Select lower housing part
2. Add DIN rail bus as an option
3. Select matching upper housing part
4. Select connection technology or filler plug (p. 32-35)

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



2 DIN rail bus			3 Upper housing part				
			PCB terminal blocks		Connector with header		
Number of positions: 5 parallel	Number of pos.: 4 parallel + 1 serial	Number of positions: 5	Screw connection	Spring connection	Single-level	Double-level	Triple-level
3.81 mm pitch	3.81 mm pitch	3.81 mm pitch					
							
ME…TBUS	ME...TBUS...4P1S	ME…TBUS ADAPTER	ME…OTU-MKDSO	ME…OT-FKDSO	ME…OT-1MSTBO	ME…OT-MSTBO	ME…OT-3MSTBO
			2278869	2200321		2854775	
2713645	2201731	2201757	2278940	2200322		2853747	
2713722	2201732	2201756	2278953	2200323	2914877	2907761	2914880
2713645**)	2201731**)	2201757**)	2 x 2278940	2 x 2200322		2914864	
2713722**)	2201732**)	2201756**)	2 x 2278953	2200327	2709299	2854429	2 x 2914880
2713722**)	2201732**)	2201756**)	3 x 2278953	3 x 2200323	2200522	3 x 2907761	3 x 2914880
2713722**)	2201732**)	2201756**)	4 x 2278953	2 x 2200327	2200523	2 x 2854429	4 x 2914880
2713722	2201732	2201756	22788953	2200323	2914877	2907761	2914880
2713722	2201732	2201756	2278953	2200323	2914877	2907761	2914880

(*) Dimensions of the housing, including single- or double-level upper part
(**) Combination of DIN rail connectors and adapters freely selectable taking into account the required quantity relative to the housing width
(***) FE = Functional earth ground contact
Note: The lower housing parts shown here are also optionally available without ventilation slots

Configuration overview
ME series
PCB connectors

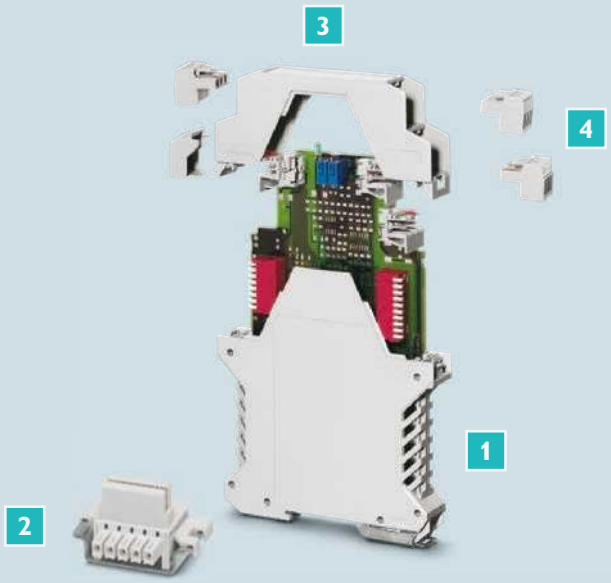
Web code: #0305

Upper housing part	Housing width	Maximum number of positions		4			
		Pitch					
		3.5 mm	5.0 mm	Pitch	3.5 mm		
				Connection technology		Screw	Push-in
				Manufacturing process	Wave soldering		
					MCO 1,5/…G1…-3,5	MC	FMC
					Left / Right		
							
ME…OT-1MSTBO 	22.5 mm	5	4		2278380	2278351	1769087	1773581
	45 mm	10	8		2278380	2278351	1769087	1773581
	67.5 mm	15	12		2278380	2278351	1769087	1773581
	90 mm	20	16		2278380	2278351	1769087	1773581
ME…OT-MSTBO 	12.5 mm	12	8		2278319	2278322	1769061	
	17.5 mm	16	12		2278364	2278377	1769074	1773578
	22.5 mm	20	16		2278380	2278351	1769087	1773581
	35 mm	32	24		2278364	2278377	1769074	1773578
	45 mm	40	32		2278380	2278351	1769087	1773581
ME...OT-3MSTBO 	22.5 mm	30	24		2278380	2278351	1769087	1773581

Configure your electronics housing individually in four steps

1. Select lower housing part (p. 30-31)
2. Add DIN rail bus as an option (p. 30-31)
3. Select matching upper housing part (p. 30-31)
4. Select connection technology or filler plug

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



Connection technology

Connectors and headers									Filler plug
	5 mm								
Push-in							Push-in	Screw	
	Wave soldering		Reflow soldering (THR)		Wave soldering				
FK-MCP	MSTBO 2,5/…G1…		MSTBO 2,5/…-G1… THR		MSTBO 2,5/…-G1P…		PSPT 2,5/…	MSTBT…STP	ME B-…
	Left	Right	Left	Right	Left	Right			
									
1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2907965
1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2907965
1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2907965
1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2907965
	2854788	2854791	2200251	2200252	2200330	2200331	2202346	2200334	2854801
1773594	2853750	2853763	2915216	2915229	2200328	2200329	2202345	2200333	2853776
1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2907965
1773594	2853750	2853763	2915216	2915229	2200328	2200329	2202345	2200333	2853776
1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2907965
1773604	2907774	2907787	2679194	2697204	2200325	2200326	2202344	2200332	2 x 2279787

Configuration overview
ME series
PCB terminal blocks

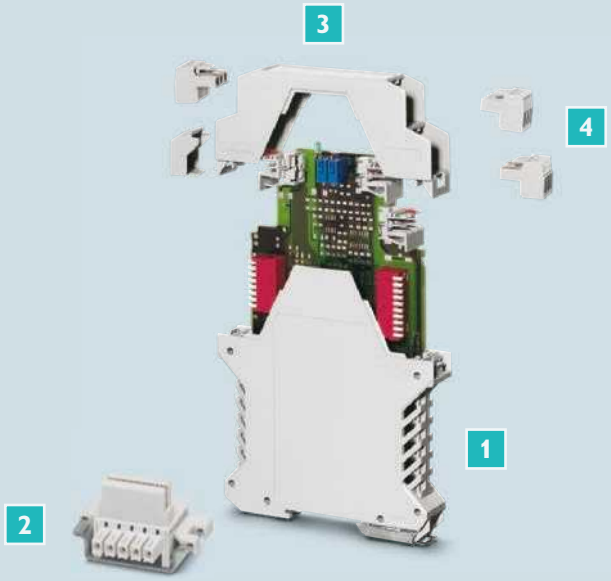
Web code: #0305

Upper housing part	Housing width	Max. number of positions		4 Connection technology				
					PCB terminal blocks			
		Pitch		Pitch	3.5 mm		5 mm	
		3.5 mm	5 mm	Connect. technology	Screw			
					MKDSO 1,5/…-3,5		MKDSO 2,5/…	
					Left	Right	Left	Right
								
ME…OTU-MKDSO 	12.5 mm	12	8		2278445	2278458	2915261	2915258
	17.5 mm	16	12		2278432	2278429	2854102	2854092
	22.5 mm	20	16		2278393	2278416	2908485	2908472
	45 mm	40	32		2278393	2278416	2908485	2908472
ME…OT-FKDSO 	12.5 mm		8					
	17.5 mm		12					
	22.5 mm		16					
	45 mm		32					

Configure your electronics housing individually in four steps

1	Select lower housing part (p. 30-31)
2	Add DIN rail bus as an option (p. 30-31)
3	Select matching upper housing part (p. 30-31)
4	Select connection technology or filler plug

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



			Filler plugs
	5 mm		
	Push-in		
	FKDSO 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 series

Web code: #0306

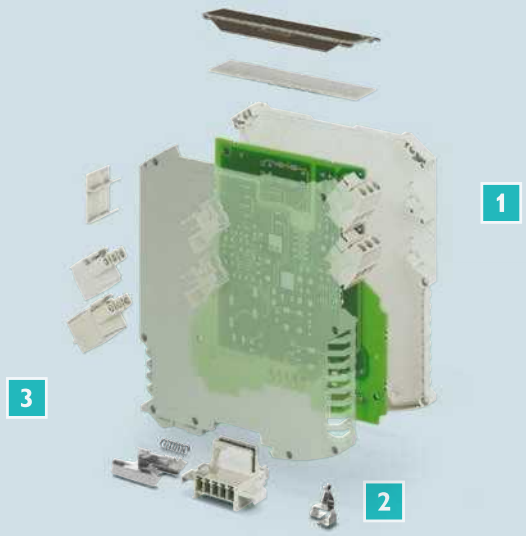
1 Housing

Housing	Housing width	Order No.	Pitch			Order No.	Pitch			Order No.	Pitch		
		Housing ME-MAX … 3-3	3.5 mm	5.0 mm	7.25 mm 7.5 mm	Housing ME-MAX … 2-2	3.5 mm	5.0 mm	7.25 mm 7.5 mm	Housing ME-MAX … U-U1	3.5 mm	5.0 mm	7.25 mm 7.5 mm
			Maximum number of positions for ME-MAX … 3-3				Maximum number of positions for ME-MAX … 2-2				Maximum number of positions for ME-MAX ... U-U1		
													
Tall design (standard) Total height 114.5 mm	6.2 mm	2869634[1] 2869647[1]	8										
	12.5 mm, with[3] 12.5 mm, without[3]	2279020 2279017	18	12									
	17.5 mm, with[3] 17.5 mm, without[3]	2713612 2713531	24	18	12	2713599 2713609	16	12	8	2713641 2713515	4	3	2
	22.5 mm, with[3] 22.5 mm, without[3]	2713939 2713942	30	24	18	2713625 2713638	20	16	12	2713476 2713489	5	4	3
	35 mm, with[3] 35 mm, without[3]	2713696 2713544	48	36	24	2713670 2713683	32	24	16	2713667 2713528	8	6	4
	45 mm, with[3] 45 mm, without[3]	2713913 2713926	60	48	36	2713706 2713719	40	32	24	2713492 2713502	10	8	6
	67.5 mm, with[3] 67.5 mm, without[3]	2200526 2200527	90	72	54	2200524 2200525	60	48	36	2200547 2200528	15	12	9
	90 mm, with[3] 90 mm, without[3]	2200531 2200532	120	96	72	2200529 2200530	80	64	48	2200546 2200533	20	16	12
Flat design Total height 92 mm	22.5 mm	2869388	30	24	18								
	45 mm	2869391	60	48	36								
Ultra-flat design 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. Add DIN rail bus and power connectors as an option
3. Select connection technology or filler plug (p. 38-41)

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



				2 DIN rail connector			2 Power connectors up to 42 A			
Order No.	Pitch			3.81 mm pitch	3.81 mm pitch	3.81 mm pitch				
Housing ME-MAX … 3-U1	3.5 mm	5.0 mm	7.25 mm 7.5 mm	ME … TBUS … 1,5/5	ME … TBUS … 1,5/4P1S	ME … TBUS Adapter	PCO ..-L[2]	PBR 42A RD	PBR 42A BU	PBR 42A GY
	Maximum number of positions for ME-MAX ... 3-U1			5 parallel positions	4 parallel positions, 1 serial position	Adapter piece, 5 positions	Left	Cross connector		
				2969401 2279033[4]						
				2969401						
2201536 2201537	16	12	8	2713645	2201731	2201757	2201684	2201915	2201916	2201917
2201538 2201539	20	16	12	2713722	2201732	2201756	2201685	2201915	2201916	2201917
				2713645[5]	2201731[5]	2201757	2201684	2201915	2201916	2201917
2201682 2201683	40	32	24	2713722[5]	2201732[5]	2201756	2201685	2201915	2201916	2201917
				2713722[5]	2201732[5]	2201756	2201685	2201915	2201916	2201917
				2713722[5]	2201732[5]	2201756	2201685	2201915	2201916	2201917
				2713722	2201732	2201756	2201685	2201915	2201916	2201917
				2713722[5]	2201732[5]	2201756	2201685	2201915	2201916	2201917
				2713645	2201731		2201684	2201915	2201916	2201917
				2713722	2201732	2201756	2201685	2201915	2201916	2201917
				2713722[5]	2201732[5]	2201756	2201685	2201915	2201916	2201917

[1] ME-MAX 6,2 has four connection levels [2] Note: A ME-MAX can only be swung in together with a PCO on the DIN rail if it is the following tall model: ME-MAX…2-2
[3] Open = with ventilation slots, closed = without ventilation slots [4] Pin strip required for contacting in the TBUS
[5] Combination of DIN rail connectors and adapters freely selectable taking into account the required quantity relative to the housing width

Configuration overview
ME-MAX series
PCB connectors

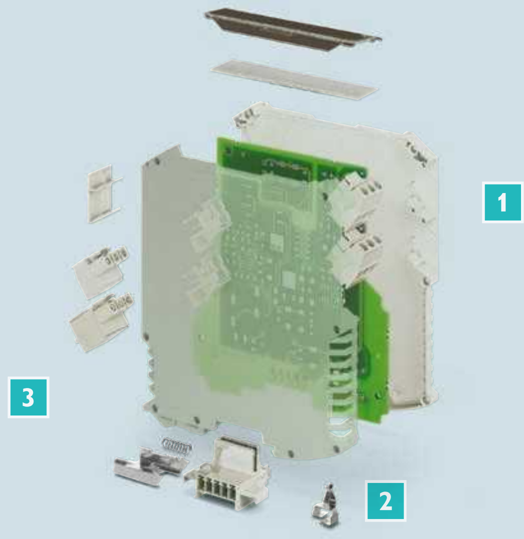
Web code: #0306

1 Housing						3					
						Maximum number of positions for pitch for ME-MAX ... 3-3			3.5 mm pitch		
						Connection technology					Screw
						Manufacturing process			Wave soldering		
									MCO 1,5/…G1...-3,5		MC
Housing	Housing width	Order No. Housing ME-MAX … 3-3	Order No. Housing ME-MAX … 2-2	Order No. Housing ME-MAX … U-U1	Order No. Housing ME-MAX … 3-U1	3.5 mm	5 mm	7.25 mm	Left	Right	
											
Tall design (standard) Total height 114.5 mm 	6.2 mm	2869634* 2869647*				8					
	12.5 mm, with**) 12.5 mm, without**)	2279020 2279017				18	12		2278319	2278322	1769061
	17.5 mm, with**) 17.5 mm, without**)	2713612 2713531	2713599 2713609	2713641 2713515	2201536 2201537	27	18	12	2278364	2278377	1769074
	22.5 mm, with**) 22.5 mm, without**)	2713939 2713942	2713625 2713638	2713476 2713489	2201538 2201539	30	24	18	2278380	2278351	1769087
	35 mm, with**) 35 mm, without**)	2713696 2713544	2713670 2713683	2713667 2713528		54	36	24	2278364	2278377	1769074
	45 mm, with**) 45 mm, without**)	2713913 2713926	2713706 2713719	2713492 2713502	2201682 2201683	60	48	36	2278380	2278351	1769087
	67.5 mm, with**) 67.5 mm, without**)	2200526 2200527	2200524 2200525	2200547 2200528		90	72	54	2278380	2278351	1769087
	90 mm, with**) 90 mm, without**)	2200531 2200532	2200529 2200530	2200546 2200533		120	96	72	2278380	2278351	1769087
Flat design Total height 92 mm 	22.5 mm	2869388				30	24	18	2278380	2278351	1769087
	45 mm	2869391				60	48	36	2278380	2278351	1769087
Ultra-flat design Total height 70.4 mm 	17.5 mm		2901369			16	12	8	2278364	2278377	1769074
	22.5 mm		2869362			20	16	12	2278380	2278351	1769087
	45 mm		2869375			40	32	24	2278380	2278351	1769087

Configure your electronics housing individually in three steps

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

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



Connection technology

Headers and connectors													
		5 mm pitch								7.25 mm pitch			
Push-in	Push-in							Push-in	Screw			Screw	
		Wave soldering		Reflow soldering		Wave soldering				Reflow soldering			
FMC	FK-MCP	MSTBO 2,5/…G1…		MSTBO 2,5/…-G1… THR…		MSTBO 2,5/…- G1P…		PSPT 2,5/…	MSTBT… STP	GMSTBO 2,5 HV/…--G… THR…		GMSTBT 2,5 HV	ME-MAX B-…
		Left	Right	Left	Right	Left	Right			Left	Right		
													
		2854788	2854791	2200251	2200252	2200330	2200331	2202346	2200334				2914660
1773578	1773594	2853750	2853763	2915216	2915229	2200328	2200329	2202345	2200333	2199867	2199760	2199757	2706959
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929
1773578	1773594	2853750	2853763	2915216	2915229	2200328	2200329	2202345	2200333	2199867	2199760	2199757	2706959
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929
1773578	1773594	2853750	2853763	2915216	2915229	2200328	2200329	2202345	2200333	2199867	2199760	2199757	2706959
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929
1773581	1773604	2907774	2907787	2697194	2697204	2200325	2200326	2202344	2200332	2199663	2199566	2199553	2707929

(*) 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 tall model: ME-MAX … 2-2

Configuration overview
ME-MAX series
PCB terminal blocks

Web code: #0306

1 Housing						3		
						Pitch	3.5 mm	
						Connection	Screw	
Housing	Housing width	Order No.	Order No.	Order No.	Order No.		MKDSO 1,5	
		Housing ME-MAX … 3-3	Housing ME-MAX … 2-2	Housing ME-MAX … U-U1	Housing ME-MAX … 3-U1		Left	Right
								
Tall design (standard) Total height 114.5 mm	6.2 mm	2869634* 2869647*						
	12.5 mm, with**) 12.5 mm, without**)	2279020 2279017					2278445	2278458
	17.5 mm, with**) 17.5 mm, without**)	2713612 2713531	2713599 2713609	2713641 2713515	2201536 2201537		2278432	2278429
	22.5 mm, with**) 22.5 mm, without**)	2713939 2713942	2713625 2713638	2713476 2713489	2201538 2201539		2278393	2278416
	35 mm, with**) 35 mm, without**)	2713696 2713544	2713670 2713683	2713667 2713528			2278432	2278429
	45 mm, with**) 45 mm, without**)	2713913 2713926	2713706 2713719	2713492 2713502	2201682 2201683		2278393	2278416
	67.5 mm, with**) 67.5 mm, without**)	2200526 2200527	2200524 2200525	2200547 2200528			2278393	2278416
	90 mm, with**) 90 mm, without**)	2200531 2200532	2200529 2200530	2200546 2200533			2278393	2278416
Flat design Total height 92 mm	22.5 mm	2869388					2278393	2278416
	45 mm	2869391					2278393	2278416
Ultra-flat design Total height 70.4 mm	17.5 mm		2901369				2278432	2278429
	22.5 mm		2869362				2278393	2278416
	45 mm		2869375				2278393	2278416

Configure your electronics housing individually in three steps

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

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

Connection technology

PCB terminal blocks								
5 mm		7.5 mm		5 mm		7.5 mm		
Screw		Screw		Push-in		Push-in		
MKDSO 2,5		MKDSO 2,5 HV		FKDSO 2,5		FKDSO 2,5 HV		ME-MAX B-…
Left	Right	Left	Right	Left	Right	Left	Right	
								
2915261	2915258			2200315	2200316			2914660
2854102	2854092	2199676	2199773	2200318	2200317			2706959
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
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
(**) Note: A ME-MAX can only be swung in together with a PCO on the DIN rail if it is the following tall model: ME-MAX … 2-2.
(***) ME-MAX 6,2 with spring connection

Configuration overview
ME-IO series
for fieldbus couplers and controllers

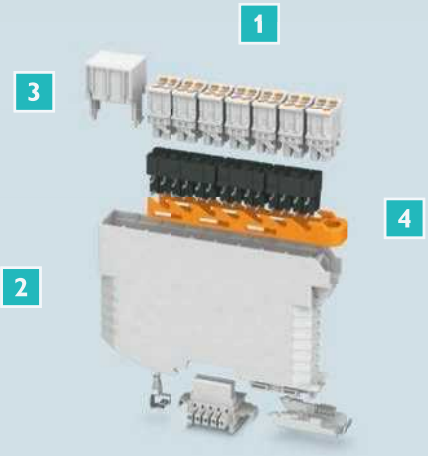
new

Web code: #0308

		Order No.	Type	8-0/12-0*	0-8/0-12*	4 TWIN**-20/30*
1						
				8/12*		4 TWIN**+20/30*
2	**Lower housing part with Lock and Release**					
		2202618	ME-IO 37,6 LB 10U TBUS 7035	1x2202618 1x2201797	1x2202618 1x2201797	
		2202620	ME-IO 75,2 LB 10U TBUS 7035			
		2202663	ME-IO 37,6 B 10U TBUS 7035			1x2202663 1x2201797 1x2201796
		2202664	ME-IO 75,2 B 10U TBUS 7035			
		2202635	ME-IO 18,8 F-LR 7035	1x	1x	
		2202629	ME-IO P 10U 7035			1x
		2278076	ME BUS FE CONTACT			
3	**Housing cover**					
		2201799	ME-IO 18,8 C 2U 7035			
		2201803	ME-IO 18,8 C 5U 7035			1x
		2202634	ME-IO 18,8 C 8U 7035		1x	1x
		2202630	ME-IO 18,8 C 10U 7035	1x		
		2202665	ME-IO 37,6 C 10U 7035			
		2202662	ME-IO 56,4 C 10U 7035			
		2202583	ME-IO 75,2 C 10U 7035			
		2202622	ME-IO 18,8 LC 8U 7035	1x		
		2202626	ME-IO 18,8 LC 10U 7035		1x	
4	**Connection technology**					
		Plug with push-in spring connection in 5.0 mm pitch***				
		2201780	HSCP-SP 2,5-1U/ 4 7035	2x2201780 1x2201789	2x2201780 1x2201789	5x2201780 1x2201788 1x2201789
		2201781	HSCP-SP 2,5-1U-TT 7035			2x2201781 1x2201790
		Plug with push-in spring connection in 3.45 mm pitch***				
		2202235	HSCP-SP 1,5-1U/ 6 7035	2x2202235 1x2202234	2x2202235 1x2202234	5x2202235 1x2202233 1x2202234

Individually configure electronics housing with connection technology

1. Determine assignment for number of positions
2. Define lower housing part
3. Select housing cover
4. Select connection technology



Configuration of number of positions

40/60	4 TWIN+32/48	8	40/60	8	0
20-20/30-30*	4TWIN-32-0-0/ 4 TWIN-48-0-0*	8-0-0-0/12-0-0-0*	0-8-32-0/0-12-48-0*	8-0-0-0/12-0-0-0*	
	1x2202620 1x2201797 1x2201794	1x2202620 1x2201797	1x2202620 1x2201797 1x2201794		
1x2202663 2x2201796					
				1x2202664 1x2201797	1x2202664
	2x	3x	2x	3x	4x
1x	1x		2x	1x	
	Optional				
	1x		1x		
2x					
			1x	1x	
			1x		
	1x				
		1x		1x	
					1x
	1x	1x			
			1x		
10x2201780 2x2201788 2x2201789	8x2201780 4x2201789	2x2201780 1x2201789	10x2201780 5x2201789	2x2201780 1x2201789	
	2x2201781 1x2201790				
10x2202235 2x2202233 2x2202234	8x2202235 4x2202233	2x2202235 1x2202234	10x2202235 5x2202234	2x2202235 1x2202234	

Further configurations possible

(*) Number of positions refers to 3.45 mm pitch (**) A TWIN plug bridges two connection positions to one potential (***) With fitting headers

Configuration overview
ME-IO series
for I/O modules

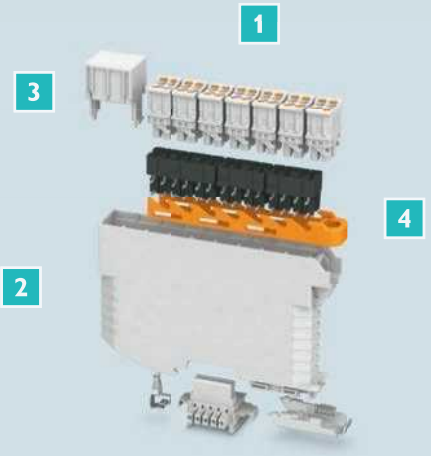
Web code: #0308

		Order No.	Type	36/54*	34	32/48*	28/42*	20 + 4 TWIN**/ 30*+ 4 TWIN	24/36*
1							28		
2	Lower housing part with Lock and Release								
		2201960	ME-IO 18,8 B/FE 9/9U TBUS 7035	1x	1x				
		2201961	ME-IO 18,8 B/FE 7/9U TBUS 7035				1x	1x	1x
		2201962	ME-IO 18,8 B/FE 5/9U TBUS 7035						
		2201963	ME-IO 18,8 B/FE 3/9U TBUS 7035						
		2202506	ME-IO 18,8 B 10U 7035			1x2202506 1x2201794		1x2202506 1x2201795	1x2202506 1x2201795
		2201813	ME 18,8 TBUS 1,5/5-ST-3,81KMGY						
3	Housing cover								
		2201799	ME-IO 18,8 C 2U 7035			1x	1x	1x	
		2201800	ME-IO 18,8 C 3U 7035					1x	1x
		2201801	ME-IO 18,8 C 3U S1 7035						
		2201802	ME-IO 18,8 C 4U 7035						1x
		2201803	ME-IO 18,8 C 5U 7035						
		2201804	ME-IO 18,8 C 6U 7035						
		2201805	ME-IO 18,8 C 7U 7035						
		2202634	ME-IO 18,8 C 8U 7035						
		2201806	ME-IO 18,8 C 9U 7035						
		2202630	ME-IO 18,8 C 10U 7035						
		2202616	ME-IO 18,8 C 2U MC 7035			or cover with suitable marking lid 2202627		or cover with suitable marking lid 2202627	
		2202582	ME-IO 18,8 C 2U MC10 7035						
		2202581	ME-IO 18,8 C 2U MC18 7035						
4	Connection technology								
			Plug with push-in spring connection in 5.0 mm pitch***						
		2201780	HSCP-SP 2,5-1U/ 4 7035	9x2201780 1x2201788 3x2201789	7x2201780 1x2201788 1x2201789	8x2201780 4x2201789	7x2201780 1x2201788 2x2201789	5x2201780 1x2201788 1x2201789	6x2201780 3x2201789
		2201781	HSCP-SP 2,5-1U-TT 7035					2x2201781 1x2201790	
		2201782	HSCP-SP 2,5-1U-20 7035		1x2201782 1x2201792				
			Plug with push-in spring connection in 3.45 mm pitch***						
		HSCP-SP 2,5-1U/ 4 7035	HSCP-SP 1,5-1U/ 6 7035	9x2202235 1x2202233 3x2202234		8x2202235 4x2202234	7x2202235 1x2202233 2x2202234	5x2202235 1x2202233 1x2202234	6x2202235 3x2202234

Individually configure electronics housing with connection technology

1. Determine assignment for number 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



Configuration of number of positions

24		20		16				8		0	
16 + 4 TWIN / 24* + 4 TWIN	24/36*	20/30*	12 + 4 TWIN/ 18* + 4 TWIN	16/24*	8 + 4 TWIN/ 12* + 4 TWIN	12/ 18*		8/ 12*	4 TWIN		
	1x										
1x											
		1x	1x	1x	1x						
						1x	1x	1x			
1x2202506 1x2201795		1x2202506 1x2201796	1x2202506 1x2201796	1x2202506 1x2201796	1x2202506 1x2201796	1x2202506 1x2201797		1x2202506 1x2201797	1x2202506 1x2201797	1x2201809 1x2202635	1x2202506 1x2202635
	Optional selection										
1x	1x										
		1x	1x	1x	1x						
	1x										
			1x	1x	1x						
						1x	1x	1x			
								1x	1x		
										1x****	
											1x****
4x2201780 2x2201789	6x2201780 2x2201788	5x2201780 1x2201788 1x2201789	3x2201780 1x2201788	4x2201780 2x2201789	2x2201780 1x2201789	3x2201780 1x2201788	2x2201780 1x2201789				
2x2201781 1x2201790			2x2201781 1x2201790		2x2201781 1x2201790			2x2201781 1x2201790			
4x2202235 2x2202234	6x2202235 2x2202233	5x2202235 1x2202233 1x2202234	3x2202235 1x2202233	4x2202235 2x2202234	2x2202235 1x2202234	3x2202235 1x2202233	2x2202235 1x2202234				

Further configurations possible

(*) Number of positions refers to 3.45 mm pitch (**) A TWIN plug bridges two connection positions to one potential (***) With fitting headers (****) Optional filler plug 2202635

Configuration overview
ME-PLC series

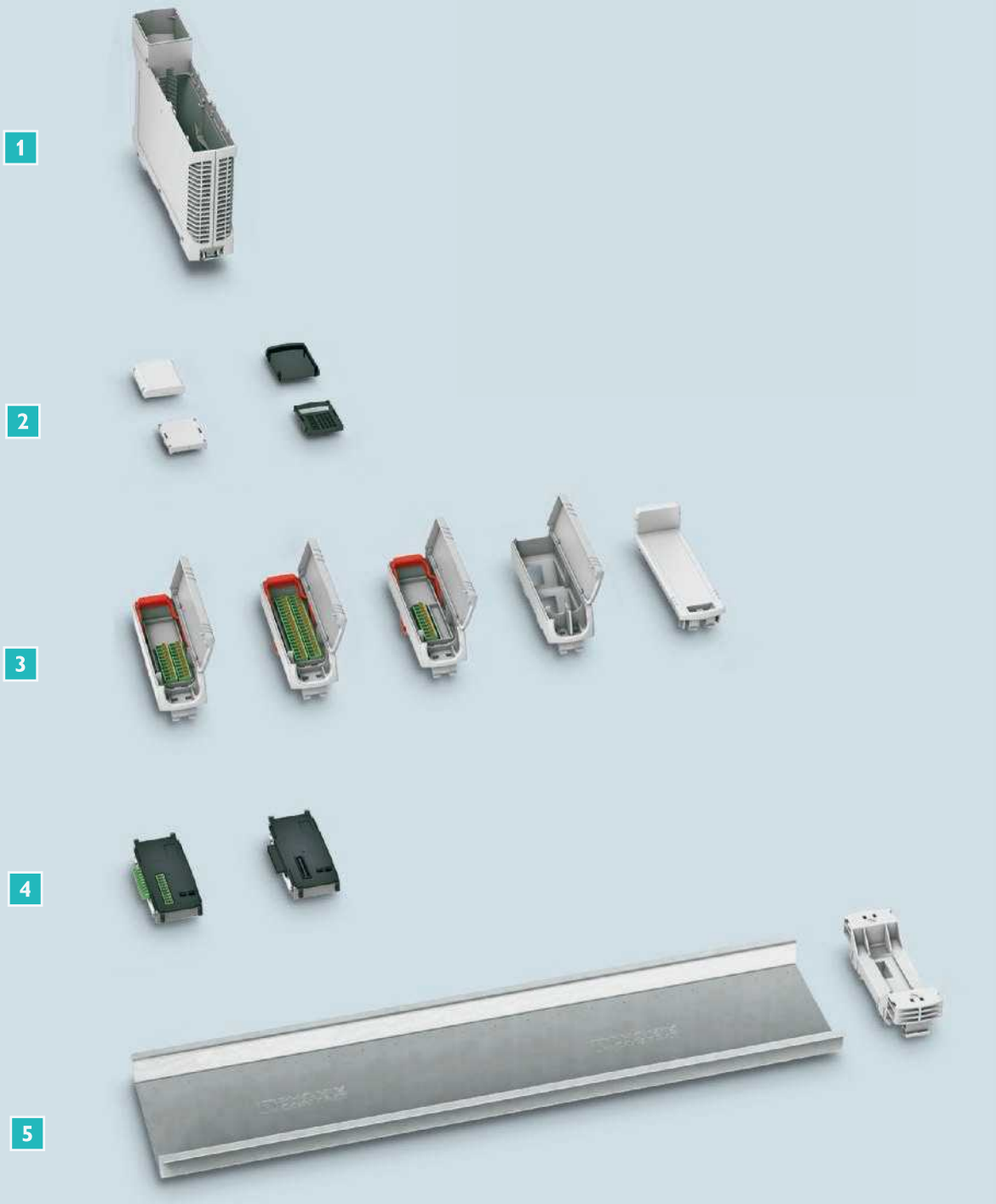
Web code: #0309

	Description	Type	Order No.
1	**Lower housing parts**		
	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
2	**Housing termination**		
	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
3	**Front connection module**		
	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
4	**Bus connector**		
	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
5	**Accessories**		
	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 series

Web code: #0311

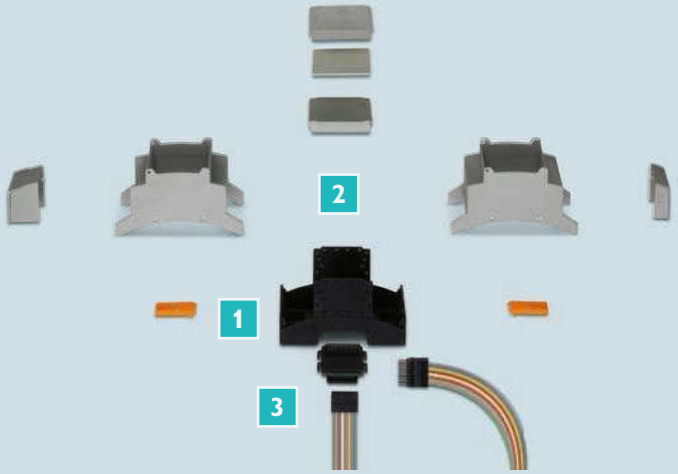
	Description			2		
	Lower housing part	Width	Order No.	17.8 mm	35.6 mm	
					11 mm	22 mm
						
1		17.8 mm	2896241	2279732 [1] 2896144 [2] 2896102 [3]		
		35.6 mm	2896254		2896034 [1] 2896157 [2] 2896115 [3]	2896047 [1] 2896157 [2] 2896115 [3]
		53.6 mm	2896403			
		71.6 mm	2896267			
		107.6 mm	2896270			
		161.6 mm	2278500			

	Bus connector for DIN rail mounting (*)	Type	Number of positions	Slots for the PCB	17.8 mm	35.6 mm
3		HBUS 35,6-16P-1S PSTD 0,65X0,65/9-2,54 (4)	16	1		2896283 2200700
		HBUS 35,6-16P-2S PSTD 0,65X0,65/9-H-2,54 (4)	16	2	2896319 2200701	
		HBUS 53,6-16P-1S PSTD 0,65X0,65/9-2,54 (4)	16	1		
		HBUS 53,6-16P-3S PSTD 0,65X0,65/9-H-2,54 (4)	16	3	2896322 2200701	
		HBUS 71,6-16P-1S PSTD 0,65X0,65/9-2,54 (4)	16	1		
		HBUS 107,6-16P-1S PSTD 0,65X0,65/9-2,54 (4)	16	1		
		HBUS 161,6-16P-1S PSTD 0,65X0,65/9-2,54 (4)	16	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 and housing lid

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
							
2896416 [1] 2896432 [2] 2896445 [3]	2896429 [1] 2896432 [2] 2896445 [3]						
		2896050 [1] 2896160 [2] 2896128 [3]	2896063 [1] 2896160 [2] 2896128 [3]				
				2896076 [1] 2896173 [2] 2896131 [3]	2896089 [1] 2896173 [2] 2896131 [3]		
						2278513 [1] 2278539 [2] 2278542 [3]	2278526 [1] 2278539 [2] 2278542 [3]

53.6 mm	71.6 mm	107.6 mm	161.6 mm
2896458 2200700			
	2896296 2200700		
		2896306 2200700	
			2278555 2200700

(*) Suitable power connectors with 16 free cable ends: Order No. 2896348 or 2896335;
cable jumpers: length 40 cm Order No. 2202938, length 80 cm Order No. 2201281; filler plug for protecting empty HBUS slots Order No. 2278173
(1) Upper housing part (2) Light gray housing cover, can be snapped in permanently (3) Transparent housing cover, including fitted cover
(4) Pin strip for connecting the HBUS with PCB in the electronics housing

Configuration overview
BC modular series

new

Web code: #0675

			Lower housing part	2 Upper housing part and housing lid		
1	Lower housing part	Width	Order No.	71.6 mm	107.6 mm	161.6 mm
						
		71.6 mm	2896267	Configurable [1] 2896160 [2] 2896128 [3]		
		107.6 mm	2896270		Configurable [1] 2896173 [2] 2896131 [3]	
		161.6 mm	2278500			Configurable [1] 2278539 [2] 2278542 [3]
3	Bus connector for DIN rail mounting	Type	Number of positions/slots for the PCB	71.6 mm	107.6 mm	161.6 mm
		HBUS 71,6-16P-1S	16 / 1	2896296 [4]		
		HBUS 107,6-16P-1S	16 / 1		2896306 [4]	
		HBUS 161,6-16P-1S	16 / 1			2278555 [4]

(1) Modular upper housing part (2) Housing cover light gray, permanently snapped in
(3) Transparent cover including fitted cover (4) Suitable pin strip for contacting in the HBUS 2200700

Configure your electronics housing individually in three steps

1	Select lower housing part
2	Configure modular upper housing part and select housing cover For each of the 4 or 6 positions, 3 terminal block installation depths are selectable 0 mm – The side panel is at the outermost position, for maximum equipping area in the inside of the housing 11 mm – Middle side panel position, for space inside the housing and for the connection technology 22 mm – The side panel is at the innermost position, for maximum space for the connection technology
3	Select bus connector

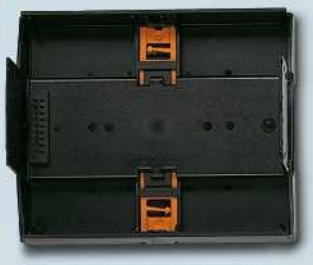
Test the BC series:
Order No. sample set: 52005225

Individual design of the terminal installation space

A	Position 1
B	Position 2
C	Position 3
D	Position 4
E	Position 5
F	Position 6

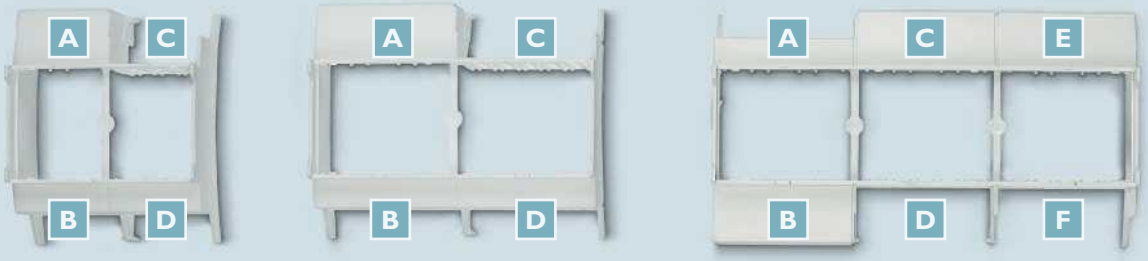
Order name: BC 71,6 OT ... (terminal installation depth of Position1-4) BC 107,6 OT ... (terminal installation depth of Position1-4) BC 161,6 OT ... (terminal installation depth of Position1-6)	Order No.
BC 71,6 OT 0121	2202302
BC 107,6 OT 0121	2202301
BC 161,6 OT 100202	2201976

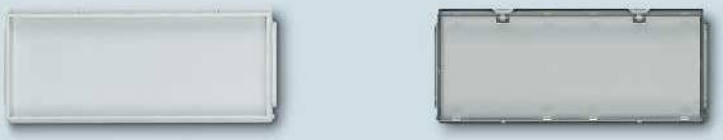
1



Overall width 71.6 | Overall width 107.6 | Overall width 161.6

2





3

Configuration overview
BC series
PCB terminal blocks and connectors

Connection technology for a max. number of positions per side				(Overall width					
	Web code: #0311								
				Pcs.	17.8	Pcs.	35.6 U11	Pcs.	35.6 U22
	Connection technology	**Pitch**	**Cross section (*)**						
	Filler plug for unassembled, largest segment			2	2854115	1	2896209	1	2896212
	PCB terminal blocks with screw connection								
	for wave soldering processes								
	MKDSO 2,5/3-L	5.0 mm	2.5 mm²	2	2854102				
	MKDSO 2,5/3-R	5.0 mm	2.5 mm²	2	2854092				
	for reflow process								
	MKDS 1,5/... HT	5.0 mm	1.5 mm²			2	1985894	2	1985849
	MKDSN 2,5/... HT	5.0 mm	2.5 mm²			2	1985933	2	1985933
	for wave soldering processes								
	MKDS 1,5/...	5.0 mm	1.5 mm²			2	1715035	2	1715035
	MKDSN 2,5/...	5.0 mm	2.5 mm²			2	1890976	2	1890976
	MKKDSH 3/…	5.0 mm	2.5 mm²			2	1721346	2	1721346
	for wave soldering processes								
	GMKDS 1,5/…	7.5 mm	1.5 mm²			2	1717020	2	1717020
	GMKDSP 3/…	7.5 mm	2.5 mm²			2	1732021	2	1732021
	two-tier, for wave soldering processes								
	MKKDS 1,5/…	5.0 mm	1.5 mm²					2	1725012
	MKKDSG 3/…	5.0 mm	2.5 mm²					1	1721087
	PCB terminal blocks with push-in spring connection								
	for wave soldering processes								
	SPTA 1/...-3,5	3.5 mm	1.0 mm²			1	1752162	1	1752162
	SPTA 1/...-5,0	5.0 mm	1.0 mm²			1	1752256	1	1752256
	PCB terminal blocks with spring-cage connection								
	ZFKKDS 1,5C-5,0	5.0 mm	1.5 mm²					6	1889301
	PCB terminal blocks with double spring connection								
	FK-MPT 0,5/...-3,5-H	3.5 mm	0.5 mm²			1	1928822	1	1928822
	FK-MPT 0,5/…ST-3,5	3.5 mm	0.5 mm²			1	1913989	1	1913989
	PCB terminal blocks with spring connection								
	PTSA 0,5/...-2,5-Z	2.5 mm	0.5 mm²			1	1990096	1	1990096
	PTSA 0,5/...-2,5-F	2.5 mm	0.5 mm²			1	1989832	1	1989832
	PTS 1,5/...-5,0-H	5.0 mm	2.5 mm²			1	1792902	1	1792902
	PCB terminal blocks with screw connection								
	PT 1,5/...-5,0-H	5.0 mm	2.5 mm²			1	1935200	1	1935200
	PT 1,5/...-PH-5,0	5.0 mm	2.5 mm²			1	1755622	1	1755622
	PCB terminal blocks with double spring connection								
	PTDA 1,5/...-PH-3,5	3.5 mm	1.5 mm²					1	1725185
	PTDA 2,5/...-PH-5,0	5.0 mm	2.5 mm²					1	1725549
	Pin strips								
	PST 1,3/...-LV-5,0	5.0 mm						1	1704521
	PST 1,3/...-5,0	5.0 mm				1	1933228	1	1933228
	RJ45 connection								
	VS-08-BU-RJ45/LP-1							1	1688586

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

Housing
17.8 to 161.6 mm and terminal installation depth 11 mm (U11) and 22 mm (U22))




Pcs.	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
1	2896225	1	2896238	2	2896209	2	2896212	2	2896225	2	2896238	3	2896225	3	2896238
3	1985894	3	1985894	4	1985894	4	1985849	6	1984950	6	1984950	9	1984950	9	1984950
3	1985933	3	1985933	4	1985933	4	1985933	6	1985933	6	1985933	9	1985933	9	1985933
3	1715035	3	1715035	4	1715035	4	1715035	6	1715035	6	1715035	9	1715035	9	1715035
3	1890976	3	1890976	4	1890976	4	1890976	6	1890976	6	1890976	9	1890976	9	1890976
3	1721346	3	1721346	4	1721346	4	1721346	6	1721346	6	1721346	9	1721346	9	1721346
2	1717033	2	1717033	4	1717020	4	1717020	4	1717033	4	1717033	6	1717033	4	1717033
2	1732034	2	1732034	4	1732021	4	1732021	4	1732034	4	1732034	6	1732034	4	1732034
		3	1725025			4	1725012			6	1725025			9	1725025
		3	1721087			2	1721087			6	1721087			9	1721087
1	1752201	1	1752201	2	1752162	2	1752162	2	1752201	2	1752201	3	1752201	3	1752201
1	1752298	1	1752298	2	1752256	2	1752256	2	1752298	2	1752298	3	1752298	3	1752298
			1889259			12	1889301				1889259				1889259
1	1928877	1	1928877	2	1928822	2	1928822	2	1928877	2	1928877	3	1928877	3	1928877
1	1914043	1	1914043	2	1913989	2	1913989	2	1914043	2	1914043	3	1914043	3	1914043
1	1990148	1	1990148	2	1990096	2	1990096	2	1990148	2	1990148	3	1990148	3	1990148
1	1989887	1	1989887	2	1989832	2	1989832	2	1989887	2	1989887	3	1989887	3	1989887
1	1792931	1	1792931	2	1792902	2	1792902	2	1792931	2	1792931	3	1792931	3	1792931
1	1935239	1	1935239	2	1935200	2	1935200	2	1935239	2	1935239	3	1935239	3	1935239
1	1755651	1	1755651	2	1755622	2	1755622	2	1755651	2	1755651	3	1755651	3	1755651
		1	1725250			2	1725185			2	1725250			3	1725250
		1	1725649			2	1725549			2	1725649			3	1725649
		1	1704547			2	1704521			2	1704547			3	1704547
1	1933257	1	1933257	2	1933228	2	1933228	2	1933257	2	1933257	3	1933257	3	1933257
		1	1688586			2	1688586			2	1688586			3	1688586

(*) Based on stranded conductors, additional connection technology possible

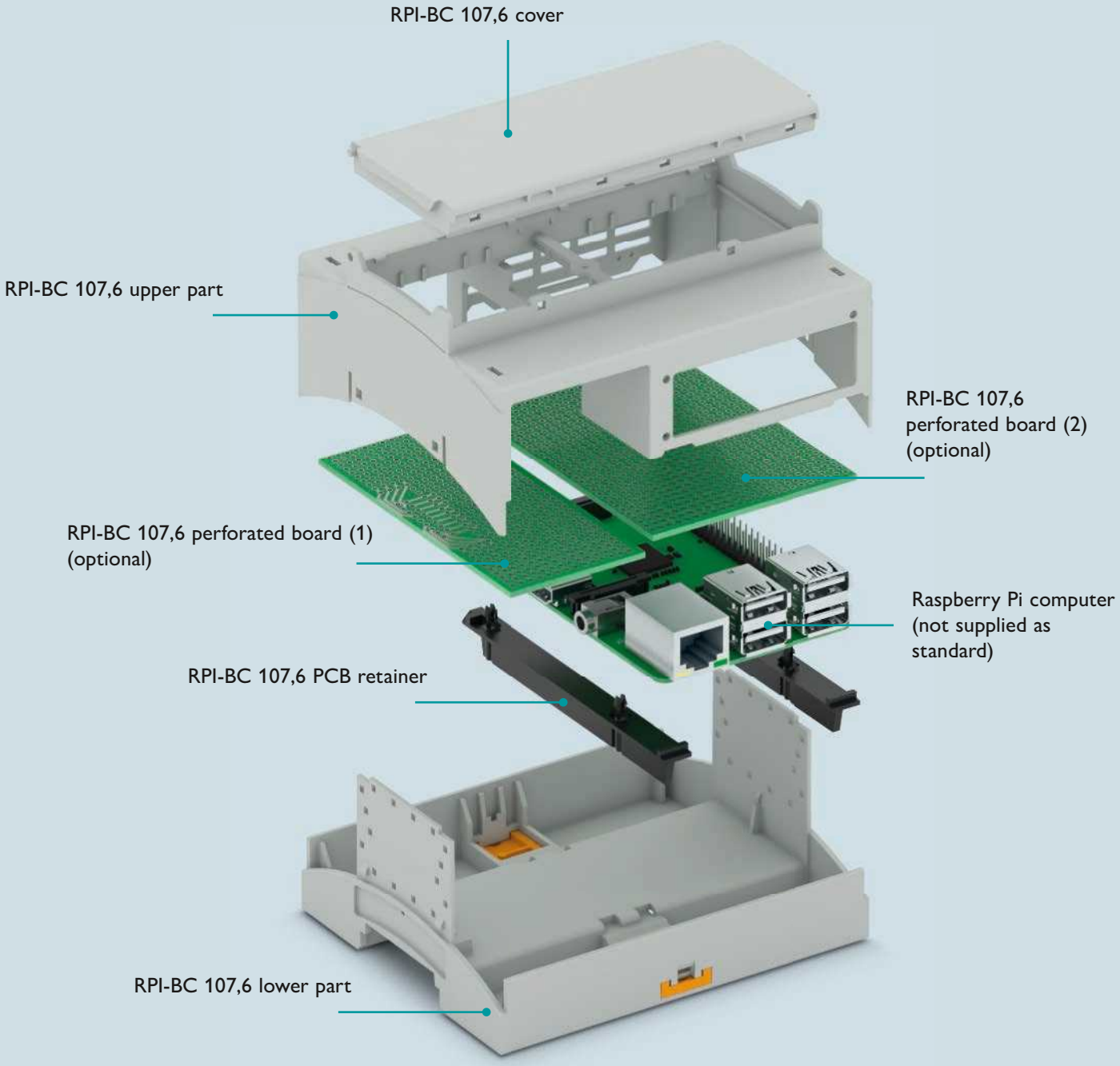
Configuration overview
RPI-BC series

new **Web code:** #0664

	Description	Type	Order No.
RPI-BC, set			
	Set consisting of lower part including base latch, upper part, cover (snaps in permanently) and PCB retainer, color: similar to light gray	RPI-BC 107,6 DEV-KIT KMGY	2202874
RPI-BC, individual			
	Consisting of upper part and PCB retainer, color similar to light gray, PCB holder similar to anthracite gray	RPI-BC 107,6 DEV-KIT KMGY P10	2202875
	Set consisting of lower part including base latch, color similar to light gray	BC 107,6 UT HBUS KMGY	2202951
	Set consisting of lower part including base latch, color similar to jet black	BC 107,6 UT HBUS BK	2896270
	Consisting of transparent cover (swiveling) and plate	BC 107,6 DKL S TRANS	2896131
	Consisting of gray cover (permanently latching)	BC 107,6 DKL R KMGY	2896173
Accessories			
	A+ adapter for using the Raspberry Pi A+, color similar to anthracite gray	RPI-BC A+-ADAPTER ATGY	2202906
	HBUS 107,6 without pin strip, color similar to jet black	HBUS 107,6-16P-1S BK P1	2202876
	PCB (1) with HBUS connection without connector, with hole pattern	RPI-BC EXT-PCB HBUS SET	2202995
	PCB (2) with GPIO connection with soldering rings for PTSM terminal blocks, including socket strips and PTSM terminal bocks, with hole pattern	RPI-BC INT-PCB SET	2202994
	Socket strip for connecting an additional PCB or the perforated board with the GPIOs of the Raspberry Pi computer	PSTD 0,65X0,65/40-2,54	2202992
	Pin strip for connecting an additional PCB or the perforated board with the HBUS	PSTD 0,65X0,65/18-3IS-2,54	2202993
Additional products			
	DEV-KIT BC 107,6: contains 1 x BC 107,6 housing and PCB terminal blocks (MKDS), supplied in individual parts	BC 107,6 DEV-KIT KMGY	2202525
	Printed-circuit board for the BC 107,6 DEV-KIT (perforated board)	BC 107,6/40 U11 HBUS DEV-PCB	2202544
	Bus connector to connect BC modules on the DIN rail; suitable for BC DEV-KITS, contains HBUS 107,6 and pin strip	HBUS 107,6-16P-1S DEV-KIT BK	2202545

Main features of the RPI-BC housing

- Alignable on DIN rail
- 107.6 mm overall width
- Dimensions in accordance with DIN 43880
- Suitable for Raspberry Pi A+, B+, B2
- Can be mounted on the wall or on a DIN rail
- Compatible with HBUS and BC development kits



Configuration overview
UM-BASIC series

Web code: #0313

	Description	Type	UM-Basic profile		
					
1	**Basic profile**				
	Order key for UM-BASIC profiles		72	108	122
	Example: Order No. 2201149 / Profile width UM-BASIC 72 / Length [cm] 14.3 / Color GY7035				
	PVC profile, profile length customer-specific according to order key, color: light gray	UM-BASIC PROFILE CM	2200149	2200149	2200149
	Lateral elements (left) with fastening foot for TS35 DIN rail, light gray	UM-BASIC/PRO … COVER-L KMGY	2202018	2202021	2202045
	Lateral elements (right) with fastening foot for TS35 DIN rail, light gray	UM-BASIC/PRO … COVER-R KMGY	2202019	2202022	2202046
2	**Profile cover**				
	Order key for U-shaped profile covers				
	Example: Order No. 2202036 / Cover AU 73 / Length [cm] 14.1				
	U-shaped profile cover, low version, 73 mm wide, color: transparent	UM-BASIC/PRO A/U N 73 CM	2202035	2202035	2202035
	U-shaped profile cover, tall version, 73 mm wide, color: transparent	UM-BASIC/PRO A/U 73 CM	2202036	2202036	2202036
	U-shaped profile cover, 92 mm wide, color: transparent	UM-BASIC/PRO A/U 92 CM	2202037	2202037	2202037
	Latching cover for UM-BASIC A/U N 73 CM U-shaped profile cover, light gray	UM-BASIC/PRO LID-73N KMGY	2202047	2202047	2202047
	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
	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
3	**PE contact metals, including mounting screw**				
	Top PCB level version	UM-BASIC/PRO PE CONTACT L1	2202025	2202025	2202025
	Middle PCB level version	UM-BASIC/PRO PE CONTACT L2	2202026	2202026	2202026
	Bottom PCB level version	UM-BASIC/PRO PE CONTACT L3	2202027	2202027	2202027
	Add-on elements for securing PCB				
	Version for top PCB, lateral, color: light gray	UM-BASIC/PRO PCB S-LOCK KMGY	2202031	2202031	2202031
	Version for top PCB, center, color: light gray	UM-BASIC/PRO PCB C-LOCK L1 KMGY	2202028	2202028	2202028
	Version for middle PCB, center, color: light gray	UM-BASIC/PRO PCB C-LOCK L2 KMGY	2202029	2202029	2202029
	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 profile cover
3. Select accessories

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

1

2

3

In order to determine the profile length, 1.7 cm must be subtracted from the PCB length. The overall length of the module, including the lateral elements, is equal to the PCB length plus 0.4 cm. The maximum length of a profile cover is the PCB length minus 1.9 cm.

Ordering example: For a PCB with dimensions of 16 cm x 10.75 cm x 0.15 cm, the profile length is 14.3 cm.

Configuration overview
UM-PRO series

Web code: #0314

	Description	Type	UM-Basic profile		
					
1	**Basic profile**				
	Order key for UM-BASIC profiles		72	108	122
	Example: Order No. 2200148 / Profile width UM-PRO 72 / Length [cm] 14.3 / Color GY7035				
	Polyamide profile, profile length customer-specific according to order key	UM-PRO PROFILE CM	2200148	2200148	2200148
	Lateral elements (left) with fastening foot for NS 35 DIN rail	UM-PRO … COVER-L BK	2200151	2200155	2200158
	Lateral elements (right) with fastening foot for NS 35 DIN rail	UM-PRO … COVER-R BK	2200152	2200156	2200159
2	**Profile cover**				
	Order key for U-shaped profile covers				
	Example: Order No. 2200311 / Cover AU 73 / Length [cm] 14.1				
	U-shaped profile cover, low version, 73 mm wide, color: transparent	UM-PRO A/U N 73 CM	2200310	2200310	2200310
	U-shaped profile cover, tall version, 73 mm wide, color: transparent	UM-PRO A/U 73 CM	2200311	2200311	2200311
	U-shaped profile cover, 92 mm wide, color: transparent	UM-PRO A/U 92 CM	2200312	2200312	2200312
	Latching cover for UM-PRO A/U N 73 CM U-shaped profile cover , color: black	UM-PRO LID-73N BK	2200174	2200174	2200174
	Latching cover for UM-PRO A/U 73 CM U-shaped profile cover, color: black	UM-PRO LID-73 BK	2200173	2200173	2200173
	Latching cover for UM-PRO A/U N 92 CM U-shaped profile cover, color: black	UM-PRO LID-92 BK	2200172	2200172	2200172
3	**PE contact metals, including mounting screw**				
	Top PCB level version	UM-PRO PE CONTACT L1	2200161	2200161	2200161
	Middle PCB level version	UM-PRO PE CONTACT L2	2200162	2200162	2200162
	Bottom PCB level version	UM-PRO PE CONTACT L3	2200163	2200163	2200163
	Add-on elements for securing PCB				
	Version for top PCB, lateral, color: black	UM-PRO PCB S-LOCK BK	2200168	2200168	2200168
	Version for top PCB, center, color: black	UM-PRO PCB C-LOCK L1 BK	2200164	2200164	2200164
	Version for middle PCB, center, color: black	UM-PRO PCB C-LOCK L2 BK	2200165	2200165	2200165
	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, slotted	SZF 0-0,4X2,5	1204504	1204504	1204504

Configure your electronics housing individually in three steps

1. Select basic profile
2. Select profile cover
3. Select accessories

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

1

2

3

In order to determine the profile length, 1.7 cm must be subtracted from the PCB length. The overall length of the module, including the lateral elements, is equal to the PCB length plus 0.4 cm. The maximum length of a profile cover is the PCB length minus 1.9 cm.

Ordering example: For a PCB with dimensions of 16 cm x 10.75 cm x 0.15 cm, the profile length is 14.3 cm.

Configuration overview
UM-ALU series

Web code: #0315

	Description	Type	UM-ALU profile housing	
			72	100.5
				
1	**Basic profile, one-piece, anodized aluminum**			
	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
	2 lateral plates on the left and right, incl. snap-on foot, anodized aluminum	UM-ALU 4-... COVER AL	2200933	2200951
	2 lateral plates on the left and right, incl. snap-on foot, anodized aluminum for upper part profile width 45 mm	UM-ALU 4-... COVERLID 45 AL	2201758	2201759
	2 lateral plates on the left and right, incl. snap-on foot, anodized aluminum for upper part profile width 75 mm	UM-ALU 4-... COVERLID 75 AL	2202085	2201760
2	**Profile covers, anodized aluminum (both profile covers can be used with either UM-ALU 72 or UM-ALU 100,5)**		**Width 45**	**Width 75**
	Length 42.5 mm	UM-ALU 4 AU L42,5	2200954	2200963
	Length 60 mm	UM-ALU 4 AU L60	2200955	2200964
	Length 95 mm	UM-ALU 4 AU L95	2200956	2200965
	Length 130 mm	UM-ALU 4 AU L130	2200957	2200966
	Length 165 mm	UM-ALU 4 AU L165	2200958	2200967
	Length 200 mm	UM-ALU 4 AU L200	2200959	2200968
	Length 235 mm	UM-ALU 4 AU L235	2200960	2200969
	Length 990 mm	UM-ALU 4 AU L990	2200961	2200970
	Basic profile front plate, anodized aluminum			
	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
3	**Accessories**			
	Snap-on foot for DIN rail, including screw (optional for long profiles)	UM-ALU 4 FOOT	2200974	2200974

Configure your electronics housing individually in three steps

1. Select basic profile and lateral plates
2. Specify module profile
3. Select accessories

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

Configuration overview
HC-ALU series

Web code: #0925

	Description	Type	Width (internal)			
			53.5 mm	78 mm	100.5 mm	161 mm
						
1	**Aluminum profile, 2-part**					
	Profile section 100 mm	HC-ALU 6-... PROFILE 100	2200887	2200892	2200897	2200902
	Profile section 150 mm	HC-ALU 6-... PROFILE 150	2200888	2200893	2200898	2200903
	Profile section 200 mm	HC-ALU 6-... PROFILE 200	2200889	2200894	2200899	2200904
	Profile section 1000 mm	HC-ALU 6-... PROFILE 1000	2200890	2200895	2200900	2200905
2	**End cover**					
	End cover, with screws and seal	HC-ALU 6-... COVER GY	2200891	2200896	2200901	2200906
	End cover, with hinged cover, screws and seal	HC-ALU 6-... DKL-COVER GY	2201121	2201122	2201123	
	EMC seal (optional)	HC-ALU 6-... SEAL EMC	2200907	2200908	2200909	2200910
3	**Accessories**					
	Decorative strip, dark gray, length = 98.4 mm	HC-ALU 6 DECO 100 GY	2200914	2200914	2200914	2200914
	Decorative strip, dark gray, length = 148.4 mm	HC-ALU 6 DECO 150 GY	2200915	2200915	2200915	2200915
	Decorative strip, dark gray, length = 198.4 mm	HC-ALU 6 DECO 200 GY	2200916	2200916	2200916	2200916
	Panel fastening, including cover caps, for 100 mm profile section	HC-ALU 6 MOUNT 100 GY	2200911	2200911	2200911	2201327
	Panel fastening, including cover caps, for 150 mm profile section	HC-ALU 6 MOUNT 150 GY	2200912	2200912	2200912	2201332
	Panel fastening, including cover caps, for 200 mm profile section	HC-ALU 6 MOUNT 200 GY	2200913	2200913	2200913	2201334
	Screwdriver set, Torx(R) TX 10 x 80 included	SF-TXH SET	1212538	1212538	1212538	1212538
	Bit screwdriver set with quick-action chuck	SF-M SET	1212543	1212543	1212543	1212543
4	M12 flush-type connectors and cables on our website at www.phoenixcontact.com					

Configure your electronics housing individually in just four steps

1. Define profile
2. Select end cover
3. Select accessories
4. Define connection technology

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

Order data for development kits

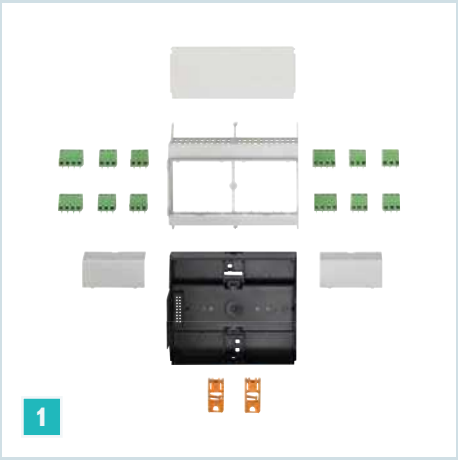
new

Web code: #0686

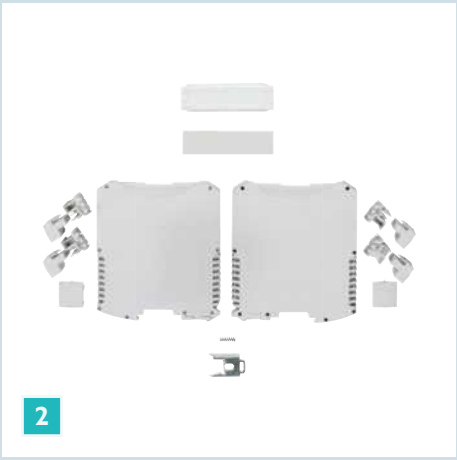
		Description	Type	Order No.
1	**BC 107,6 DEV-KIT**			
		DEV-KIT BC 107,6: contains 1 x BC 107,6 housing and PCB terminal blocks (MKDS), supplied in individual parts	BC 107,6 DEV-KIT KMGY	2202525
		Printed-circuit board for the BC 107,6 DEV-KIT (perforated board)	BC 107,6/40 U11 HBUS DEV-PCB	2202544
		Bus connector to connect BC modules on the DIN rail; suitable for BC DEV-KITS, contains HBUS 107,6 and pin strip	HBUS 107,6-16P-1S DEV-KIT BK	2202545
2	**ME-MAX 22,5 DEV-KIT**			
		DEV-KIT ME-MAX: contains 1 x ME-MAX 22,5 2-2 housing and plug-gable connection technology (4x MSTBO with 4x MSTBT), supplied in individual parts	ME-MAX 22,5 2-2 DEV-KIT KMGY	2202524
		Perforated board for the ME-MAX DEV-KIT; for 4-pos. MSTBO header; ideal for manual soldering	ME-MAX/16 2-2 TBUS DEV-PCB	2202542
		Bus connector to connect ME-MAX modules on the DIN rail; suitable for ME-MAX DEV-KITS; contains ME 22,5 TBUS 1,5/ 5	ME 22,5 TBUS 1,5/ 5 VPE1 KMGY	2202543
3	**ME-PLC 40 DEV-KIT**			
		DEV-KIT ME-PLC: contains 1 x ME-PLC 40 housing and pluggable connection technology (36 positions), supplied in individual parts	ME-PLC 40 DEV-KIT KMGY	2202526
		Perforated board for the ME-MAX DEV-KIT; for 36-pos. header; ideal for manual soldering	ME PLC 40/36 BUS DEV-PCB	2202546
4	**EH 45 FLAT DEV-KIT**			
		DEV-KIT EH 45 FLAT: contains 1 x EH 45 FLAT housing and PCB terminal blocks (MKDS ... 5,08), delivered in single parts	EH 45 FLAT DEV-KIT KMGY	2202529
		Perforated board for the EH 40 FLAT DEV-KIT; for MKDS-5,08 terminal blocks; ideal for manual soldering	EH 45F/16 DEV-PCB	2202552
5	**ME-IO 18,8 DEV-KIT**			
		DEV-KIT ME-IO: contains 1 x ME-IO 18,8 housing and pluggable connection technology (HSCH with HSCP), supplied in individual parts	ME-IO 18,8 DEV-KIT KMGY	2202527
		Perforated board for the ME-IO 18,8 DEV-KIT; for HSCH 2,5 header; ideal for manual soldering	ME-IO 18,8/28 TBUS DEV-PCB	2202548
		Bus connector to connect ME-IO modules on the DIN rail; suitable for ME-IO DEV-KITS; contains ME 18,8 TBUS 1,5/ 5	ME 18,8 TBUS 1,5/ 5 VPE1 KMGY	2202549
6	**UM-BASIC 108 DEV-KIT**			
		DEV-KIT UM-BASIC: contains 1 x UM-BASIC 100MM profile housing and PCB terminal blocks (SMKDS), supplied in individual parts	UM-BASIC 108 100MM DEV-KIT KMGY	2202528
		Perforated board for the UM-BASIC 108 DEV-KIT; for SMKDS terminal blocks; ideal for manual soldering	UM-BASIC 108/32 DEV-PCB	2202551

Development kits for prototype building and mini series production

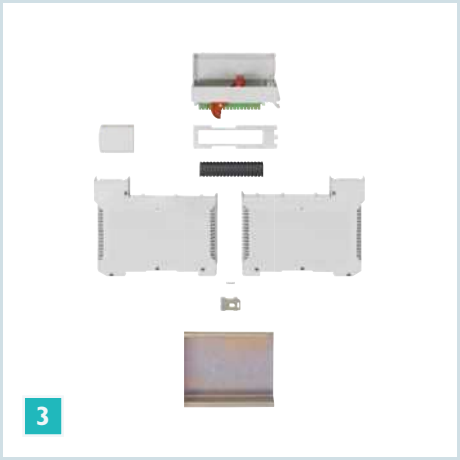
- Tool-free mounting
- Generous amount of space for circuits on perforated boards for THT elements
- Convenient kit: Housing and connection technology in packaging unit 1
- Simple module-to-module connection through bus connection via DIN rail



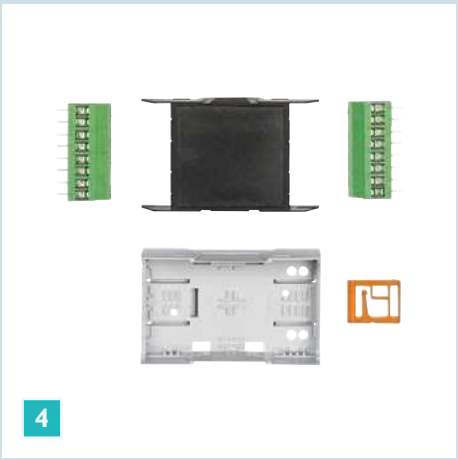
BC 107,6 DEV-KIT



ME-MAX 22,5 DEV-KIT

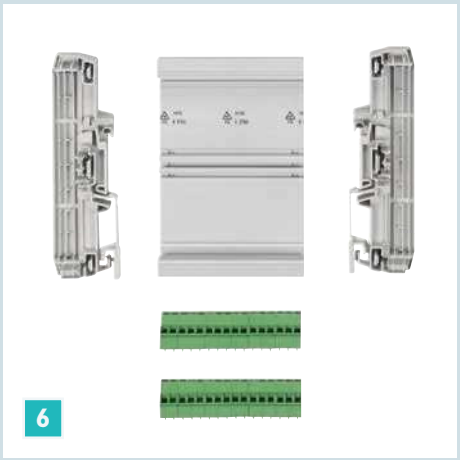


ME-PLC 40 DEV-KIT



EH 45 FLAT DEV-KIT

ME-IO 18,8 DEV-KIT



UM-BASIC 108 100MM DEV-KIT

Light guides for electronics housings

Series	Order No.	Type	Display size	Number of displays
	2202311	HS LC-V-D3/ R2xC1-5,08	ø 3 mm	2 (2 rows x 1 column)
	2202312	HS LC-V-D3/ R3xC1-5,08	ø 3 mm	3 (3 rows x 1 column)
	2202313	HS LC-H-D3/ R1xC1	ø 3 mm	1 (1 row x 1 column)
	2202314	HS LC-H-5x2/ R1xC1	5 x 2 mm	1 (1 row x 1 column)
	2202315	HS LC-H-D3/ R2xC1-5,08	ø 3 mm	2 (2 rows x 1 column)
	2202316	HS LC-H-D2/ R2xC1-2,54	ø 2 mm	2 (2 rows x 1 column)
	2202317	HS LC-H-D2/ R2xC2-2,54	ø 2 mm	4 (2 rows x 2 columns)
	2202318	HS LC-H-D2/ R2xC5-2,54	ø 2 mm	10 (2 rows x 5 columns)
	2202319	HS LC-H-D2/ R2xC10-2,54	ø 2 mm	20 (2 rows x 10 columns)
	2202320	HS LC-H-D2/ R4xC2-2,54	ø 2 mm	8 (4 rows x 2 columns)
	2202321	HS LC-H-D2/ R4xC5-2,54	ø 2 mm	20 (4 rows x 5 columns)
	2202322	HS LC-H-D2/ R4xC9-2,54	ø 2 mm	36 (4 rows x 9 columns)
	2202323	HS LC-H-D2/ R4xC10-2,54	ø 2 mm	40 (4 rows x 10 columns)

Test the HS-LC series:
Order No. sample set: 52006690

	Pitch	Recommended housing use
	5.08 mm	BC 35,6 … BC 161,6
	5.08 mm	BC 35,6 … BC 161,6
		BC 17,8. ME, ME-MAX, ME-IO, ME-PLC, EH
		BC 17,8. ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	BC 17,8. ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	BC 17,8. ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	BC 17,8. ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	BC 17,8. ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	BC 17,8. ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	ME, ME-MAX, ME-IO, ME-PLC, EH
	2.54 mm	ME, ME-MAX, ME-IO, ME-PLC, EH

Use our HOUSING Service Center for making the necessary bore holes.

Customer-specific electronics housings

Phoenix Contact creates customized housings with matching connection technology for your application, 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.

Web code: #0685

Individualization 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

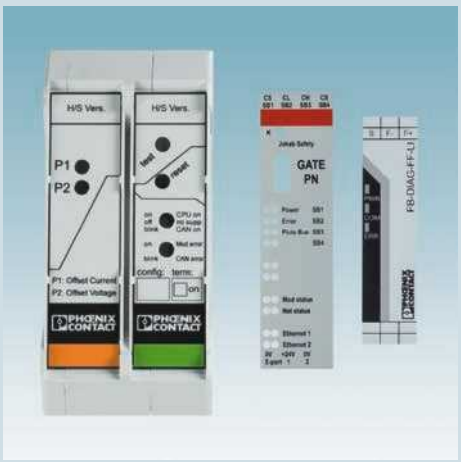
State-of-the art milling machines can create customer-specific machined holes on each side of the housing. This eliminates additional production steps and related logistical procedures for you. Your storage requirements are limited to the ready-to-install components.

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.

Pad printing

Pad printing is ideal for cost-effective printing of logos, text and circuit diagrams. Terminal points can also be imprinted for quick and error-free wiring.



Screen printing

Screen printing is suitable for space-filling and multicolored printing, particularly if brilliant colors or color grades are required. For transparent original materials, positions can be cut out during printing for LEDs.

Laser marking

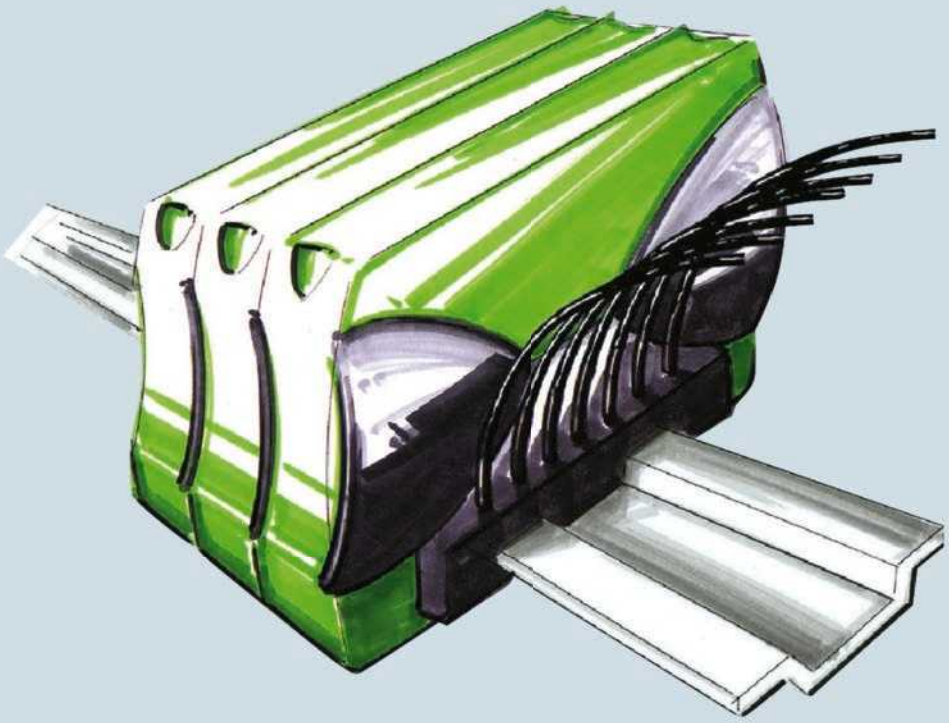
Particularly suited for highly stressed surfaces in rough environments. The color outline is etched into the surface by the laser. Laser marking is suitable for barcodes, data matrix codes, plain text for numbering and QR codes.

Customer-specific electronics housings

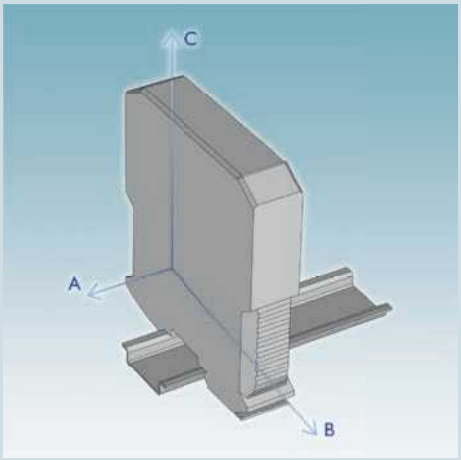
You have specific requirements and want a new development tailored to your requests. We support you in implementing your housings, providing our expertise from the areas of development, production and quality assurance.

Web code:
#0685

Based on your requirements and initial sketches, we collaborate on creating your ideal housing, including everything from the detailed design engineering and the prototype all the way to series delivery and the associated quality assurance.



Creating your new customer-specific development



Concept development

We collaborate with you to determine the special requirements and properties of your specific product. This allows challenges to be identified in advance, guaranteeing a targeted and efficient development process.

Design

Following completion of preliminary clarification, the design phase and implementation of prototypes get underway. The knowledge gained from prototyping is incorporated directly into the later solution.

Production

The end result of the implementation process is your product. All of the requirements you stipulate are taken into account in production and ensure a product that is one-of-a-kind in design and function.

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
phoenixcontact.com

DC 13-15.004.L3
MNR 52002693/2015-12-17/07

PHOENIX CONTACT
INSPIRING INNOVATIONS