

**schleicher**

**wieland**

revos FLEX  
Pneumatik

revos FLEX  
Nennspannung


revos FLEX  
RJ45

revos POWER

revos BASIC

**System solution**

**System components**



## Electronic housings and appliance terminals / terminal strips

### Electronic housings

Electronic housings as functional packaging for your application are available in open, closed, modular and multi-tier designs.

### Appliance terminals

These range from the Europa terminal strip to terminals made of glazed porcelain. They can be implemented in various applications, are user-friendly and guarantee excellent performance, especially in high-temperature applications.



100

50,4

100

100

**Electronic  
Housings**

***dipos***  
***NGG***  
***WEB***



Electronic housings  
Contents

# *housing system*

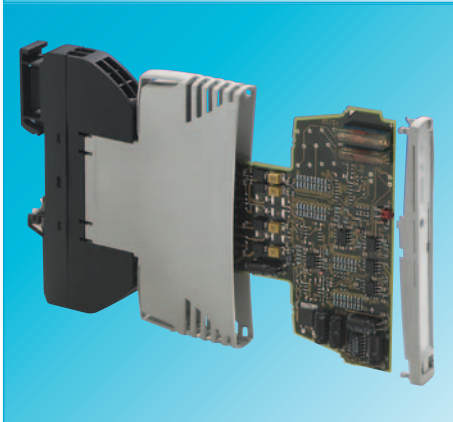
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# Electronic housings

## General information on the *dipos* housing system

# housing system



### Typical applications

- Relay modules
- Timer relay modules
- Optocoupler (solid state) modules
- Compact power supply units
- Converter for standard analog signals
- Signal conditioning for RTDs and thermocouples
- Programmable signal conditioning
- Potential monitors
- Overvoltage protection
- Low-cost I/O systems
- Building automation

### Potential applications and markets

- Mechanical and system engineering
- Electrical/electronics industry, device manufacturers
- Chemical industry and process automation
- Power engineering and power plants
- Building technology, heating, ventilation and air conditioning technology (HVAC)
- Automotive industry, planes, ships
- Consumer goods
- Food industry
- Utilities
- Environmental monitoring
- Traffic control

### Properties of the housings

- Variety of housings for industrial process and building automation
- Pluggable housings consisting of module bases and modular housing units
- Housing can be expanded in the future in 5 mm increments
- 4 (at an overall width of 12.5 mm) or 6 (at an overall width of 17.5 mm) potentials can be bridged between the modules
- 8 connections in an overall width of 12.5 mm
- Type of connection technology can be selected: screw or spring-clamp connection
- Integrated ground connection
- Marking not covered by wiring
- Each connection can be marked with its own marking tag
- Colored marking tags available
- Group marking in the base and on the housing cover
- Lockable cover – to prevent unwanted changes
- Ventilation slots
- PCB is terminal free
- Module base for TS 32 and TS 35 mounting rails

# Electronic housings Modular housing system *dipos* housing system

Housing properties:

- Pluggable housing
- Various design widths
- Potential bridging between the housings
- Minimum of 8 connections
- Connection type: screw or spring clamp



Dimensions (mm): W x H x D

Approvals:  12.5 x 100 x 100 (Standard)

Approvals:  17.5 x 100 x 100 (Standard)

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
<b>Module base <i>dipos</i> umc</b>						
with screw terminals (screw thread M3)		80.060.0000.1	1		80.060.1000.1	1
with spring clamp		80.060.0001.1	1		80.060.1001.1	1
<b>Empty housings</b>						
		80.061.0010.3	1		80.061.1010.3	1
<b>Technical data</b>						
Rated voltage		230/400 V AC			230/400 V AC	
Maximum rated current		10 A per contact			10 A pro kontakt	
Total current		10 A			10 A	
Overvoltage category		III			III	
Degree of pollution		2			2	
Connections per side		4 terminals, 4 potentials per side			6 terminals, 6 potentials per side	
Wire range of screw terminals						
fine-stranded/stranded		0.2 mm <sup>2</sup> – 2.5 mm <sup>2</sup>			0.2 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
solid		0.2 mm <sup>2</sup> – 4 mm <sup>2</sup>			0.2 mm <sup>2</sup> – 4 mm <sup>2</sup>	
flexible with ferrule with/without plastic sleeve		0.25 mm <sup>2</sup> – 2.5 mm <sup>2</sup> / 0.25 mm <sup>2</sup> – 1.5 mm <sup>2</sup>			0.25 mm <sup>2</sup> – 2.5 mm <sup>2</sup> / 0.25 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	
AWG		24 – 12			24 – 12	
Tightening torque		0.5 – 0.6 Nm			0.5 – 0.6 Nm	
Wire range of spring-clamp terminal		0.08 mm <sup>2</sup> – 2.5 mm <sup>2</sup>			0.08 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
with ferrules		0.08 mm <sup>2</sup> – 1.5 mm <sup>2</sup>			0.08 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	
AWG		28 – 12			28 – 12	
Bridging to the next module		4 potentials			6 potentials	
Fire protection		V2			V2	
Type of protection		IP 20			IP 20	
Ambient temperature		–25 °C...+100 °C			–25 °C...+100 °C	
Storage temperature		–40 °C...+100 °C			–40 °C...+100 °C	
Regulations, standards		EN 60947-1 DIN EN 50178 DIN VDE 0611 T1 VDE 0110 VDE 106			EN 60947-1 DIN EN 50178 DIN VDE 0611 T1 VDE 0110 VDE 106	
<b>Accessories</b>						
Coding branch		Z5.563.0453.0	25		Z5.563.0453.0	25
Pluggable jumper		Z8.000.0229.5	50		Z8.000.0229.5	50
Large marker tag, white, blank		04.249.4053.0	5		04.249.4053.0	5
Small marker tag						
unmarked, red		04.249.1053.0	5		04.249.1053.0	5
unmarked, blue		04.249.1553.0	5		04.249.1553.0	5
unmarked, white		04.249.2053.0	5		04.249.2053.0	5



# Electronic housings Modular housing system *dipos* housing system system

## Housing properties:

- Pluggable housing
- Various design widths
- Potential bridging between the housings
- Minimum of 8 connections
- Connection type: screw or spring clamp



Approvals:    
22.5 x 100 x 100 (Standard)

Dimensions (mm): W x H x D

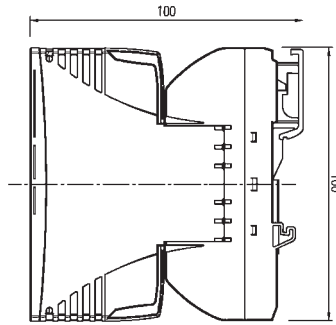
Description	Type	Part No.	Std. Pack
<b>Module base <i>dipos</i> umc</b>			
with screw terminals (screw thread M3)		80.060.2000.1	1
with spring clamp		80.060.2001.1	1
<b>Empty housings</b>			
		80.061.2010.3	1
<b>Technical data</b>			
Rated voltage		230/400 V AC	
Maximum rated current		10 A per contact	
Total current		10 A	
Overvoltage category		III	
Degree of pollution		2	
Connections per side		8 terminals, 8 potentials per side	
Wire range of screw terminals			
fine-stranded/stranded		0.2 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
solid		0.2 mm <sup>2</sup> – 4 mm <sup>2</sup>	
flexible with ferrule with/without plastic sleeve		0.25 mm <sup>2</sup> – 2.5 mm <sup>2</sup> / 0.25 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	
AWG		24 – 12	
Tightening torque		0.5 – 0.6 Nm	
Wire range of spring-clamp terminal			
with ferrules		0.08 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
AWG		28 – 12	
Bridging to the next module		8 potentials	
Fire protection		V2	
Type of protection		IP 20	
Ambient temperature		–25 °C...+100 °C	
Storage temperature		–40 °C...+100 °C	
Regulations, standards		EN 60947-1 DIN EN 50178 DIN VDE 0611 T1 VDE 0110 VDE 106	
<b>Accessories</b>			
Coding branch		Z5.563.0453.0	25
Pluggable jumper		Z8.000.0229.5	50
Large marker tag, white, blank		04.249.4053.0	5
Small marker tag			
unmarked, red		04.249.1053.0	5
unmarked, blue		04.249.1553.0	5
unmarked, white		04.249.2053.0	5

# Electronic housings Modular housing system *dipos* housing system

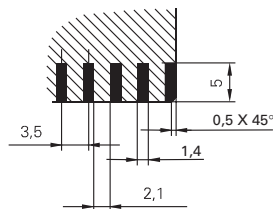
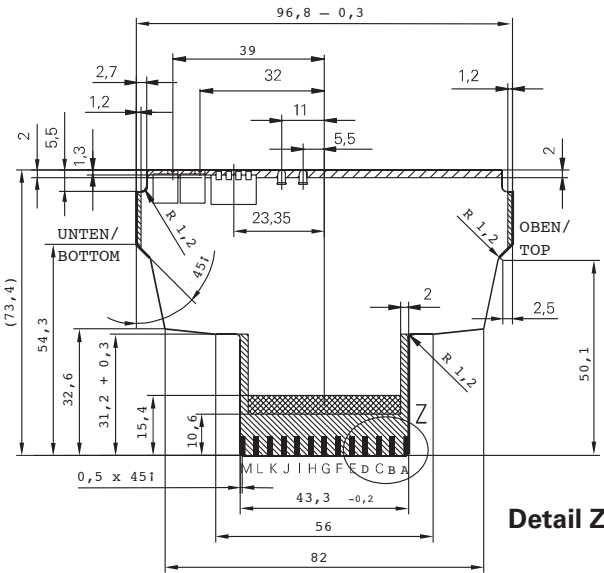
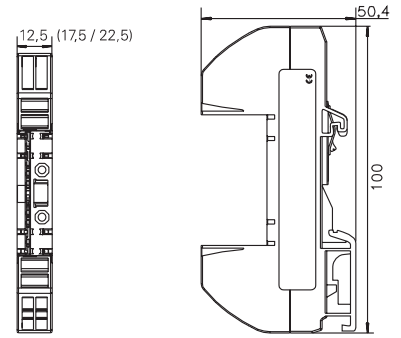
Plan view



Housing



Module base



Version (width in mm)	12,5	17,5	22,5
Component height	7,15	10,35	15,35
Endurance	2,35	4,15	4,15
Max. component height	6,25	8,7	13,7
Max. endurance	1,4	2,7	2,7
Max. component height	1,05	0,95	5,95
Blocking zones			

**Note:** Contact is made on both sides of the terminal faces. Components that generate heat should always be placed in the vicinity of the ventilation slots (upper section of the PCB)

PCB:

FR4

Thickness:

1.0 mm

Copper support:  $\geq 35 \mu\text{m}$  ( $I \leq 3 \text{ A}$ )

$\geq 70 \mu\text{m}$  ( $I > 3 \text{ A}$ )

# Electronic housings Modular housing system *dipos* housing system system

## Housing properties:

- Pluggable housing
- Various design widths
- Potential bridging between the housings
- Minimum of 8 connections
- Connection type: screw or spring clamp



Dimensions (mm): W x H x D

Approvals: being prepared:   
12.5 x 100 x 100 (75) (Standard)

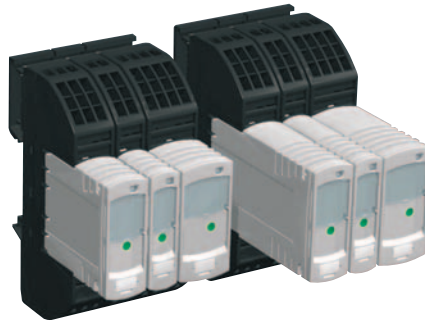
Approvals: being prepared:   
17.5 x 100 x 100 (75) (Standard)

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
<b>Module base <i>dipos</i> umc</b>						
with screw terminals (screw thread M3)		80.060.0000.1	1		80.060.1000.1	1
with spring clamp		80.060.0001.1	1		80.060.1001.1	1
<b>Electronic housings 100 mm</b>		80.062.0100.3	1		80.062.1100.3	1
<b>75 mm</b>		80.062.0000.3	1		80.062.1000.3	1
<b>Technical data</b>						
Rated voltage		230/400 V AC			230/400 V AC	
Maximum rated current		10 A per contact			10 A per contact	
Total current		10 A			10 A	
Overvoltage category		III			III	
Degree of pollution		2			2	
Connections per side		4 terminals, 4 potentials per side			6 terminals, 6 potentials per side	
Wire range of screw terminals						
fine-stranded/stranded		0.2 mm <sup>2</sup> – 2.5 mm <sup>2</sup>			0.2 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
solid		0.2 mm <sup>2</sup> – 4 mm <sup>2</sup>			0.2 mm <sup>2</sup> – 4 mm <sup>2</sup>	
flexible with ferrule with/without plastic sleeve		0.25 mm <sup>2</sup> – 2.5 mm <sup>2</sup> / 0.25 mm <sup>2</sup> – 1.5 mm <sup>2</sup>			0.25 mm <sup>2</sup> – 2.5 mm <sup>2</sup> / 0.25 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	
AWG		24 – 12			24 – 12	
Tightening torque		0.5 – 0.6 Nm			0.5 – 0.6 Nm	
Wire range of spring-clamp terminal		0.08 mm <sup>2</sup> – 2.5 mm <sup>2</sup>			0.08 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
with ferrules		0.08 mm <sup>2</sup> – 1.5 mm <sup>2</sup>			0.08 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	
AWG		28 – 12			28 – 12	
Bridging to the next module		4 potentials			6 potentials	
Fire protection		V2			V2	
Type of protection		IP 20			IP 20	
Ambient temperature		-25 °C...+100 °C			-25 °C...+100 °C	
Storage temperature		-40 °C...+100 °C			-40 °C...+100 °C	
Regulations, standards		EN 60947-1 DIN EN 50178 DIN VDE 0611 T1 VDE 0110 VDE 106			EN 60947-1 DIN EN 50178 DIN VDE 0611 T1 VDE 0110 VDE 106	
<b>Accessories</b>						
Coding branch		Z5.563.0453.0	25		Z5.563.0453.0	25
Pluggable jumper		Z8.000.0229.5	50		Z8.000.0229.5	50
Large marker tag, white, blank		04.249.4053.0	5		04.249.4053.0	5
Small marker tag						
unmarked, red		04.249.1053.0	5		04.249.1053.0	5
unmarked, blue		04.249.1553.0	5		04.249.1553.0	5
unmarked, white		04.249.2053.0	5		04.249.2053.0	5

# Electronic housings Modular housing system *dipos* housing system

Housing properties:

- Pluggable housing
- Various design widths
- Potential bridging between the housings
- Minimum of 8 connections
- Connection type: screw or spring clamp



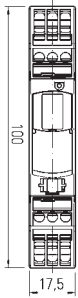
Dimensions (mm): W x H x D

Approvals:   being prepared:   
22.5 x 100 x 100 (75) (Standard)

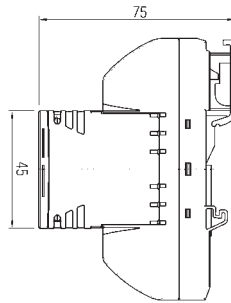
Description	Type	Part No.	Std. Pack
<b>Module base <i>dipos</i> umc</b>			
with screw terminals (screw thread M3)		80.060.2000.1	1
with spring clamp		80.060.2001.1	1
<b>Electronic housings 100 mm</b>		80.062.2100.3	1
<b>75 mm</b>		80.062.2000.3	1
<b>Technical data</b>			
Rated voltage		230/400 V AC	
Maximum rated current		10 A per contact	
Total current		10 A	
Overvoltage category		III	
Degree of pollution		2	
Connections per side		8 terminals, 8 potentials per side	
Wire range of screw terminals			
fine-stranded/stranded		0.2 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
solid		0.2 mm <sup>2</sup> – 4 mm <sup>2</sup>	
flexible with ferrule with/without plastic sleeve		0.25 mm <sup>2</sup> – 2.5 mm <sup>2</sup> / 0.25 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	
AWG		24 – 12	
Tightening torque		0.5 – 0.6 Nm	
Wire range of spring-clamp terminal		0.08 mm <sup>2</sup> – 2.5 mm <sup>2</sup>	
with ferrule		0.08 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	
AWG		28 – 12	
Bridging to the next module		6 potentials	
Fire protection		V2	
Type of protection		IP 20	
Ambient temperature		–25 °C...+100 °C	
Storage temperature		–40 °C...+100 °C	
Regulations, standards		EN 60947-1	
		DIN EN 50178	
		DIN VDE 0611 T1	
		VDE 0110	
		VDE 106	
<b>Accessories</b>			
Coding branch		Z5.563.0453.0	25
Pluggable jumper		Z8.000.0229.5	50
Large marker tag, white, blank		04.249.4053.0	5
Small marker tag			
unmarked, red		04.249.1053.0	5
unmarked, blue		04.249.1553.0	5
unmarked, white		04.249.2053.0	5

# Electronic housings Modular housing system *dipos* housing system

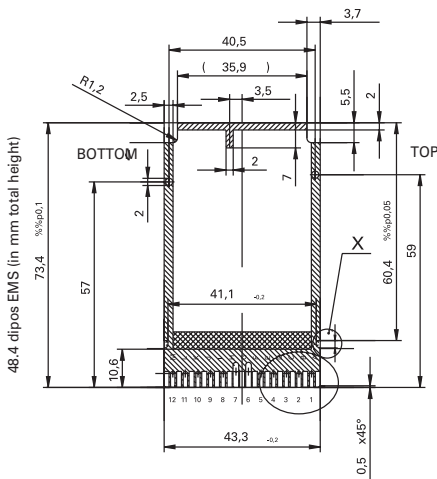
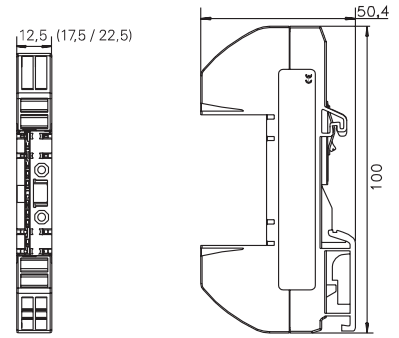
Plan view



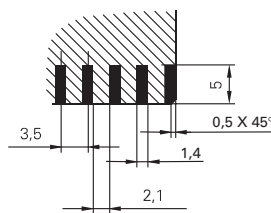
Housing



Module base



Detail Z



Version (width in mm)	12,5	17,5	22,5
Component height	7,15	10,35	15,35
Endurance	2,35	4,15	4,15
Max. component height	6,25	8,7	13,7
Max. endurance	1,4	2,7	2,7
Max. component height	1,05	0,95	5,95
Blocking zones			

**Note:** Contact is made on both sides of the terminal faces. Components that generate heat should always be placed in the vicinity of the ventilation slots (upper section of the PCB)

PCB: FR4

Thickness: 1.0 mm

Copper support:  $\geq 35 \mu\text{m}$  ( $I \leq 3 \text{ A}$ )  
 $\geq 70 \mu\text{m}$  ( $I > 3 \text{ A}$ )

## Electronic housings

### General information on the NGG housing system

# housing system

#### Information on electronic housings

The NGG 22.5 mm housing system series includes five types of different housing heights and depths, while the width is a constant 22.5 mm. Designs with 6, 9 or 12 terminals are available. Combined with the corresponding clamping types, the housings can be used for all applications up to a rated voltage of 500 V and a rated current of 24 A in protection degree IP 40. The technical data satisfy the rough environmental conditions of industrial applications.

The housing consists of two half shells and a front cap that can be mounted economically via a snap-in and latching connection. It is optionally suitable for installation of one or two PC boards in sandwich design. The front provides maximum space for operating and display components. It can be easily snapped onto a DIN rail according to DIN EN 50 022, or released without the use of a tool.

#### NGG housings

- Consistent concept of a 22.5 mm wide housing design
- Rated voltage up to 500 V
- Wire cross section up to 6 mm<sup>2</sup>
- Rated current up to 24 A
- 6 to 12 terminals
- UL approvals
- IP 40 protection degree
- Terminals on the PC board
- PC board installation in sandwich design
- Snap-on assembly
- Shell technology with three housing components
- Halogen-free, laserable plastic
- Recyclable after disassembly
- Different materials disposed of separately







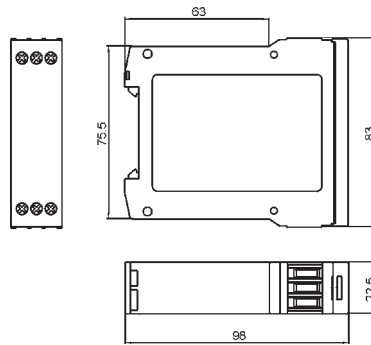




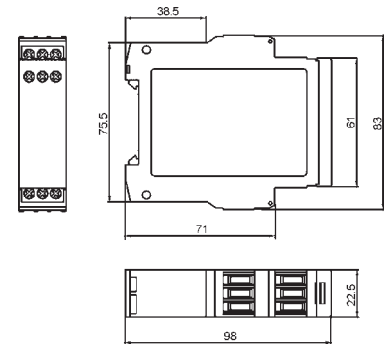
# Electronic housings NGG housing system

## Housing dimensions

Type (including terminals):  
K3-1-1

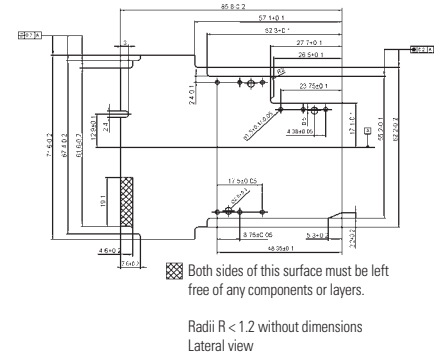
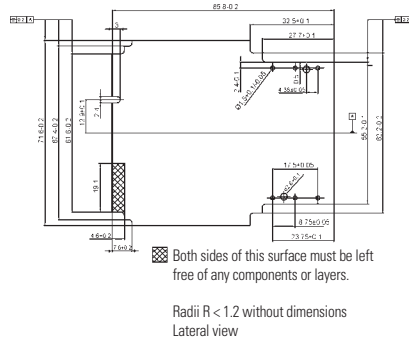


Type (including terminals):  
K3-2-10



## PCB dimensions

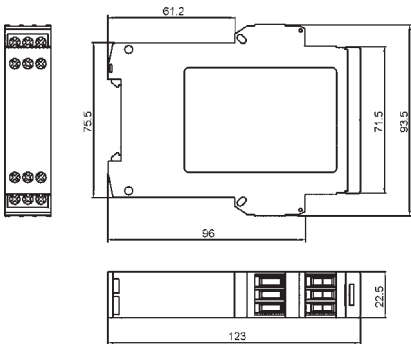
Nominal thickness 1.5 mm



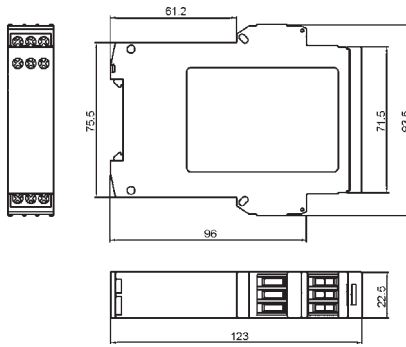
Electronic housing  
 NGG housing system

# housing system

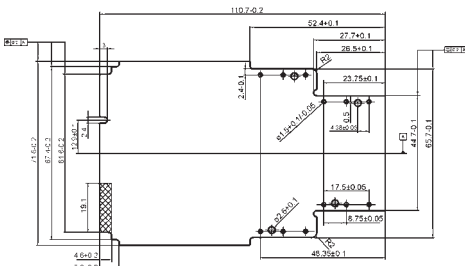
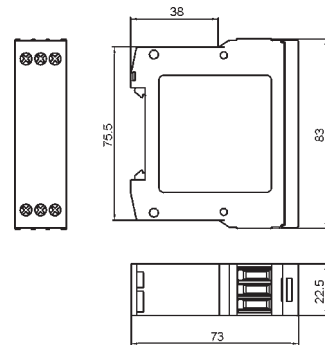
Type (including terminals):  
 K3-3-2



Type (including terminals):  
 K3-3-15

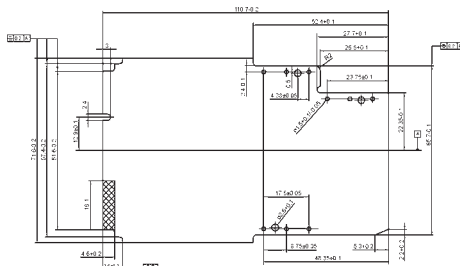


Type (including terminals):  
 K3-4-1



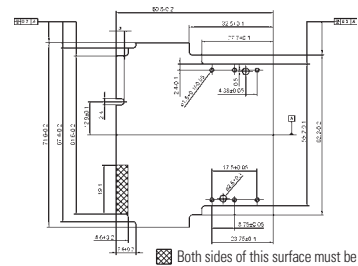
Both sides of this surface must be left free of any components or layers.

Radii  $R < 1.2$  without dimensions  
 Lateral view



Both sides of this surface must be left free of any components or layers.

Radii  $R < 1.2$  without dimensions  
 Lateral view



Both sides of this surface must be left free of any components or layers.

Radii  $R < 1.2$  without dimensions  
 Lateral view

# Electronic housing NGG housing system – terminals

## Clamping body

The patented three-part terminal has been optimized for the requirements of electronics and encoder technology in industrial automation. The clamping body has been designed for print mounting. It latches into position on the PC board and can be automatically soldered without the use of special protective covers.

PC board assembly on the left as well as on the right side requires only one clamping body design. In addition to the reduced number of variations, the system provides the option of mounting two PC boards that are connected through the clamping bodies.

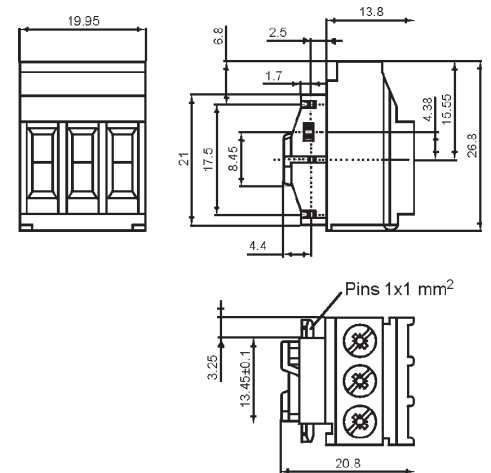
The terminal block accepts wire cross sections up to 6 mm<sup>2</sup>. Captive 3 mm Pozidrive-2 screws enable torques of up to 1 Nm and are therefore suitable for use with automatic screwdrivers.



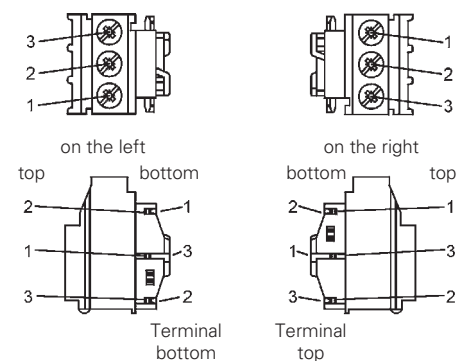
## Terminals N1238-2

Description	Type	Part No.	Std. Pack
	Klemmkörper N1238-2	RN.012.3802.0	1
<b>Technical data of the terminals</b>			
Degree of protection for the terminals (DIN EN 60 529: 2000-09)	IP 20		
Rated voltage (Pollution degree 3, Overvoltage category III according to IEC 664)	up to 500 V		
Rated current	24 A		
Clamping screw	M3, captive Screw head: +/- Pozidrive 1 Tightening torque: max. 1 Nm		
Connectable cross sections per terminal	1x up to 6 mm <sup>2</sup> rigid 1x up to 4 mm <sup>2</sup> flexible with/without sleeve 2x up to 2.5 mm <sup>2</sup> rigid 2x up to 2.5 mm <sup>2</sup> flexible 2x up to 1.5 mm <sup>2</sup> flexible with sleeve		
Insulation strip length	8 + 1 mm		
Feed-through resistance (A=2.5 mm <sup>2</sup> )	max. 3 mΩ		
Creepage distances and clearances	outside ≥ 6.3 mm inside ≥ 5.5 mm, soldered		
Solder parameter (guideline value)	250 °C – 255 °C, 3 s		
<b>Metal parts:</b>			
Live components	Cu, tin-plated		
Clamping box	Cu alloy, nickel-plated		
Clamping screw	steel, zinc-plated		
<b>Plastic parts</b>			
Material	PA 6.6, halogen-free		
Color	light gray RAL 7035		
Relative temperature index (Elec. UL 746 B: 1981-04)	130 °C		
Operating temperature (IEC 216-1: 1990-05)	-40 °C through 125 °C		
Creepage resistance	CTI 600		
UL flammability rating (UL 94:1991-06)	V0		
Glow wire resistance (VDE 0471 part 2-1/1: 1997-04)	960 °C		

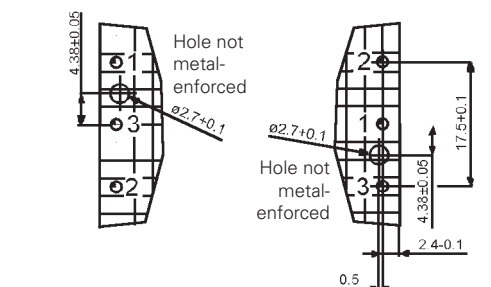
## Terminals dimensions



## Pin assignment



## PCB hole dimensions

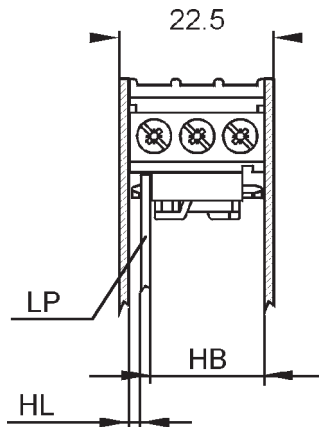


2.5 mm spacing  
Hole diameter:  
Lateral view

⌀ 1.5+0.1/-0.05

# Electronic housings NGG housing system – terminals housing system

## Maximum design heights



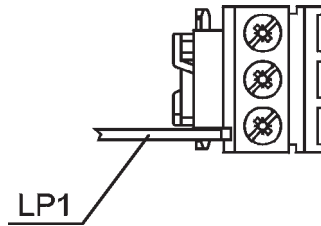
**Placement side:**  
 HB max. 1.6 mm

**Solder side:**  
 PCB 1.5 mm thick HL max. 1.5 mm

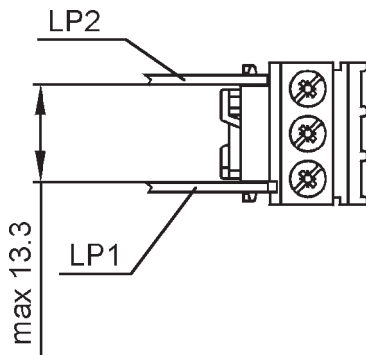
**Solder side:**  
 PCB 0.8 mm thick HL max. 2.2 mm

## PCB assembly

Assembly of one PCB

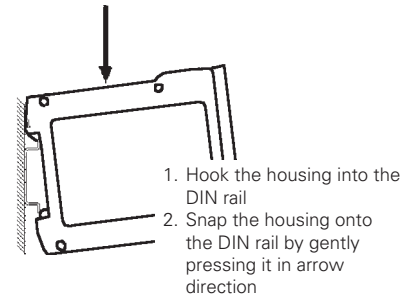


Assembly of two PCBs in sandwich design

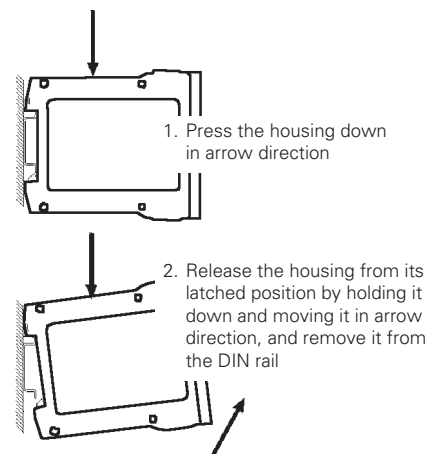


## Housing assembly

Assembly



Disassembly



## Electronic housings

### General information on the WEB housing system

# housing system

#### Electronic housing features

##### WEB housings

- Installation housings, suitable for a variety of uses
- Series of housings can be fitted together
- ... as individual modules
- ... or as a complete system
- Mounting foot for all common TS 35/TS 32 mounting rails
- For installation of fully equipped PCBs with various connection systems
- Can be used in such areas as:
  - devices and control systems for consumer electronics
  - industrial electronics
  - control engineering
  - data systems engineering
  - suitable for universal applications
- Design available with/without components assembled (see "Electronic components" for fitted designs)
- Distribution of electronic components in most confined spaces
- WEB housing provides protection for sensitive components
- Wieland's system solution: safety and functionality with proven connection systems and high quality compact designs
- Benefits:
  - long service life, even under extreme conditions
  - technical design perfection
  - reliability
  - low cost
  - trouble-free application
  - many housing variations

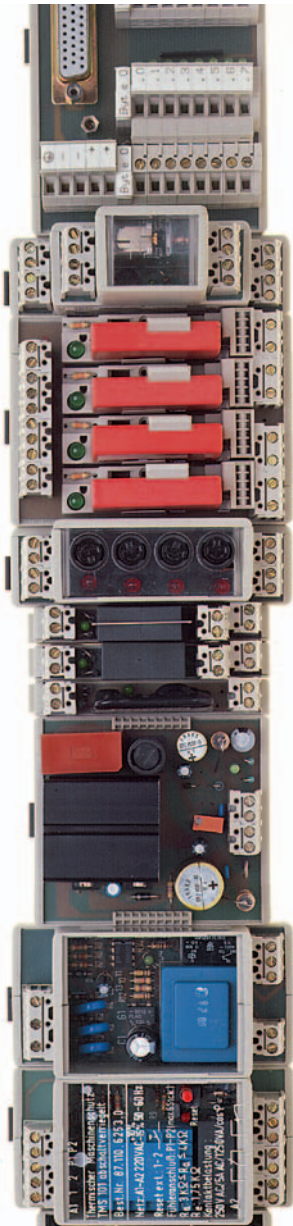
- Designs ranging from an overall housing height of 42 mm and a PCB size of 92.3 x 22.3 mm up to 68 mixed connections in multi-tier design
- Closed design provides protection for the electronic components
- With transparent cover for checking displays etc.
- Marking facility on the housing

##### WEB 1001 WEB 1002 open housing

- Height of this series: only 15.8 mm (without U foot)
- Open modules can be assembled using the 3 different elements to form any length
- Complete sets of special components can be assembled
- Numerous facilities for connecting external conductors, screw, pluggable, two-part and push-on terminals
- System advantages:
  - can be assembled quickly due to the pluggable modular system principle
  - high torsional rigidity due to the firm interconnection of the individual elements
  - can be fitted to all DIN EN mounting rails 32/35 using the universal foot

##### WEB 1001 closed design

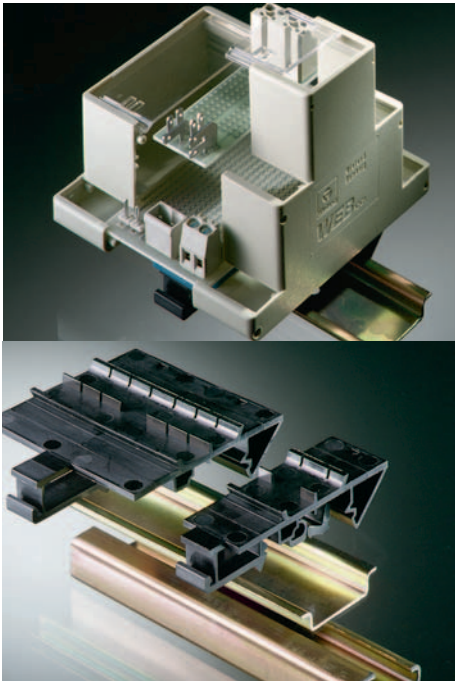
- Construction of up to 9 housing configurations without tools and using just a few individual parts
- Connection system
  - PCB connectors
  - direct mount and pluggable connectors
  - Tab connectors
  - etc.
- PCB can be fitted with components and soldered independently of the housing



# Electronic housings

## General information on the WEB housing system

# housing system



### WEB connection system

- Independent of the housing component
- Up to 68 connections per housing
- No type of connection prescribed therefore screw, puggable, two-part terminals or even mixed systems can be used

### Handling

- PCBs can be fitted with components independantly of the housing
- Mechanical soldering of the PCB to the terminals and components, also regard less of the housing. Selected.
- Horizontal (WEB) or vertical (WEG) arrangement of the PCBs on several levels within the housing
- Housing components can be fitted together

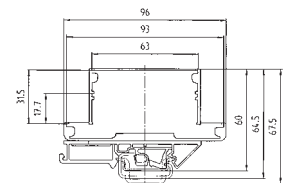
### Attachment to the mounting rail

- By means of a slot mounting facility for one or more mounting feet
- U-foot for TS 32 and TS 35

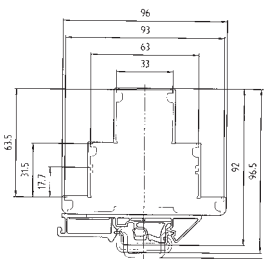
### Marking systems

- Snap-on terminal and housing marking
- Multi-digit marking tags
- Single tags, marking strips
- Tear-off marking strips
- Individual marking possible using figures or symbols

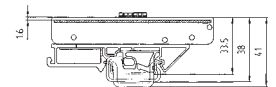
WEB closed housing



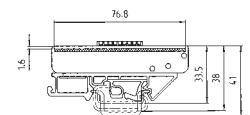
WEB closed housing



WEB open housing



WEB open housing



# Electronic housings WEB housing system

# housing system

Possible areas of application:

- Devices and controllers for consumer electronics
- Industrial electronics
- Control technology
- Data technology

Material:

Housing: PA 6 UL 94-HB  
Foot: PA 66 UL 94-V2  
Cover: PC UL 94-HB



## Size 1

27 x 42 x 96 / for PCB 93 x 22

## Size 2

27 x 74 x 96 / for PCB 93/63 x 22

Dimensions (mm): W x H x D / for PCB

Description	Part No.	Std. Pack	Part No.	Std. Pack		
<b>Electronic housing, complete with U-Foot, without PCB</b>	87.010.0053.0	10	87.020.0053.0	10		
<b>Electronic housing, complete with TS 35 foot, without PCB</b>	86.010.0053.0	10	86.020.0053.0	10		
(The housings are supplied unassembled and without PCBs)						
<b>Individual parts</b>						
1. Housing	01.001.5153.0	50	01.001.5053.0	50		
2. Cover with marking facility	04.312.0654.0	50	04.312.0554.0	50		
Cover without marking facility						
3. Cover plate	07.310.8553.0	50	07.310.8453.0	50		
5. Universal foot	05.583.0053.0	50	05.583.0053.0	50		
Foot TS 35	25.595.2153.0	50	25.595.2153.0	50		
<b>Connection technique</b>						
PCB connectors with 5 mm spacing	Type 8190, 8191, 8192, 8113, 8142		Type 8190, 8191, 8192, 8113, 8142			
PCB connectors with 5.08 mm spacing	Type 8213, 8281, 8291, 8292		Type 8213, 8281, 8291, 8292			
PCB connectors with 7.5 mm spacing	Type 8313, 8390, 8391		Type 8313, 8390, 8391			
PCB connectors with 7.62 mm spacing	Type 8413, 8491		Type 8413, 8491			
PCB connectors with 3.5 mm spacing	Type 8543, 8593		Type 8543, 8593			
PCB connectors with 3.81 mm spacing	Type 8813, 8893		Type 8813, 8893			
<b>Accessories</b>						
Tab connector	6.3 mm, straight	05.555.8521.0	50	6.3 mm, straight	05.555.8521.0	50
Tab connector	6.3 mm, angled	05.555.8721.0	50	6.3 mm, angled	05.555.8721.0	50
Tab connector	2 x 2.8 mm, straight	05.555.9121.0	50	2 x 2.8 mm, straight	05.555.9121.0	50
Tab connector	2 x 2.8 mm, angled	05.555.8921.0	50	2 x 2.8 mm, angled	05.555.8921.0	50
Tab connector	2.8 mm, straight	05.555.8621.0	50	2.8 mm, straight	05.555.8621.0	50
Tab connector	2.8 mm, angled	05.555.8821.0	50	2.8 mm, angled	05.555.8821.0	50
Tab connector: Materials	Ms tin-plated			Ms tin-plated		
PCB hole diameter	1.3 – 1.4 mm			1.3 – 1.4 mm		
PCB hole spacing	5 mm			5 mm		
Mounting rail 35, DIN rail 7.5 high L = 2 m	35 x 27 x 7.5 EN 50022	98.300.0000.0	1	35 x 27 x 7.5 EN 50022	98.300.0000.0	1
Mounting rail 35, DIN rail 15 high L = 2 m	35 x 24 x 15 EN 50022	98.360.0000.0	1	35 x 24 x 15 EN 50022	98.360.0000.0	1
Mounting rail 32, G-rail L = 2 m	9006 EN 50035 G-32	98.190.0000.0	1	9006 EN 50035 G-32	98.190.0000.0	1
End clamp, Polyamide 8 mm wide TS 35	9708/2 S 35	Z5.522.8553.0	100	9708/2 S 35	Z5.522.8553.0	100
End clamp, Polyamide 10 mm wide U-Foot	WE 1/U	Z5.523.5753.0	100	WE 1/U	Z5.523.5753.0	100
Marking tag carrier	9003 C/4	04.242.1050.0	200	9003 C/4	04.242.1050.0	200
Marking tag, unmarked	9003 C	04.241.0651.0	500	9003 C	04.241.0651.0	500
Marking tag, marked	9003 CB	04.841.0651.0	500	9003 CB	04.841.0651.0	500



# Electronic housing WEB housing system housing system system

Possible areas of application:

- Devices and controllers for consumer electronics
- Industrial electronics
- Control technology
- Data technology

Material:

Housing: PA 6      UL 94-HB  
Foot: PA 66      UL 94-V2  
Cover: PC      UL 94-HB



## Size 3

48 x 42 x 96 / for PCB 93 x 45

## Size 4

48 x 74 x 96 / for PCB 93/63 x 45

Dimensions (mm): W x H x D / for PCB

Description	Part No.	Std. Pack	Part No.	Std. Pack						
<b>Electronic housings, complete with U-Foot, without PCB</b>	87.030.0053.0	10	87.040.0053.0	10						
<b>Electronic housings, complete with TS 35 foot, without PCB</b>	86.030.0053.0	10	86.040.0053.0	10						
(The housings are supplied unassembled and without PCBs)										
<b>Individual parts</b>										
1. Housing					2 x	01.001.5153.0	50	2 x	01.001.5053.0	50
2. Cover with marking facility					2 x	04.312.0654.0	50	2 x	04.312.0554.0	50
Cover without marking facility					1 x	04.312.3054.0	10	1 x	04.312.3354.0	50
5. Universal foot		05.583.0053.0	50		05.583.0053.0	50				
Foot TS 35		Z5.595.2153.0	50		Z5.595.2153.0	50				
<b>Connection technique</b>										
PCB connectors with 5 mm spacing	Type 8190, 8191, 8192, 8113, 8142		Type 8190, 8191, 8192, 8113, 8142							
PCB connectors with 5.08 mm spacing	Type 8213, 8281, 8291, 8292		Type 8213, 8281, 8291, 8292							
PCB connectors with 7.5 mm spacing	Type 8313, 8390, 8391		Type 8313, 8390, 8391							
PCB connectors with 7.62 mm spacing	Type 8413, 8491		Type 8413, 8491							
PCB connectors with 3.5 mm spacing	Type 8543, 8593		Type 8543, 8593							
PCB connectors with 3.81 mm spacing	Type 8813, 8893		Type 8813, 8893							
<b>Accessories</b>										
Tab connector	6.3 mm, straight	05.555.8521.0	50	6.3 mm, straight	05.555.8521.0	50				
Tab connector	6.3 mm, angled	05.555.8721.0	50	6.3 mm, angled	05.555.8721.0	50				
Tab connector	2 x 2.8 mm, straight	05.555.9121.0	50	2 x 2.8 mm, straight	05.555.9121.0	50				
Tab connector	2 x 2.8 mm, angled	05.555.8921.0	50	2 x 2.8 mm, angled	05.555.8921.0	50				
Tab connector	2.8 mm, straight	05.555.8621.0	50	2.8 mm, straight	05.555.8621.0	50				
Tab connector	2.8 mm, angled	05.555.8821.0	50	2.8 mm, angled	05.555.8821.0	50				
Tab connector: Materials	Ms tin-plated		Ms tin-plated							
PCB hole diameter	1.3 -1.4 mm		1.3 -1.4 mm							
PCB hole spacing	5 mm		5 mm							
Mounting rail 35, DIN rail 7.5 high L = 2 m	35 x 27 x 7.5 EN 50022	98.300.0000.0	1	35 x 27 x 7.5 EN 50022	98.300.0000.0	1				
Mounting rail 35, DIN rail 15 high L = 2 m	35 x 24 x 15 EN 50022	98.360.0000.0	1	35 x 24 x 15 EN 50022	98.360.0000.0	1				
Mounting rail 32, G-rail L = 2 m	9006 EN 50035 G-32	98.190.0000.0	1	9006 EN 50035 G-32	98.190.0000.0	1				
End clamp, Polyamide 8 mm wide TS 35	9708/2 S 35	Z5.522.8553.0	100	009708/2 S 35	Z5.522.8553.0	100				
End clamp, Polyamide 10 mm wide U-Foot	WE 1/U	Z5.523.5753.0	100	WE 1/U	Z5.523.5753.0	100				
Marking tag carrier	9003 C/4	04.242.1050.0	200	9003 C/4	04.242.1050.0	200				
Marking tag, unmarked	9003 C	04.241.0651.0	500	9003 C	04.241.0651.0	500				
Marking tag, marked	9003 CB	04.841.0651.0	500	9003 CB	04.841.0651.0	500				

# Electronic housings WEB housing system

# housing system

Possible areas of application:

- Devices and controllers for consumer electronics
- Industrial electronics
- Control technology
- Data technology

Material:

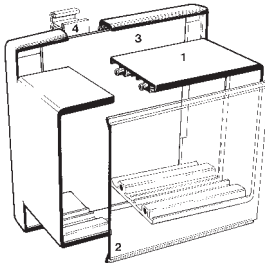
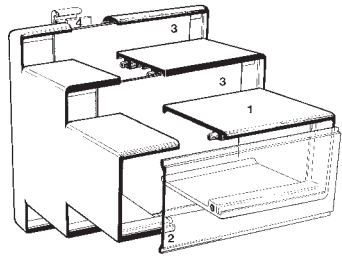
Housing: PA 6 UL 94-HB  
Foot: PA 66 UL 94-V2  
Cover: PC UL 94-HB



Dimensions (mm): W x H x D / for PCB

**Size 6**  
70.5 x 42 x 96 / for PCB 93 x 67

**Size 7**  
70.5 x 74 x 96 / for PCB 93/63 x 67

Description	Part No.	Std. Pack	Part No.	Std. Pack		
<b>Electronic housings, complete with U-Foot, without PCB</b> (The housings are supplied unassembled and without PCBs)	87.060.0053.0	10	87.070.0053.0	10		
						
<b>Individual parts</b>						
1. Housing	01.001.5153.0	50	01.001.5353.0	10		
Housing	01.001.5453.0	50	01.001.5053.0	50		
2. Cover	04.312.3154.0	50	04.312.3454.0	50		
4. Universal foot	05.583.0153.0	50	05.583.0153.0	50		
<b>Connection technique</b>						
PCB connectors with 5 mm spacing	Type 8190, 8191, 8192, 8113, 8142		Type 8190, 8191, 8192, 8113, 8142			
PCB connectors with 5.08 mm spacing	Type 8213, 8281, 8291, 8292		Type 8213, 8281, 8291, 8292			
PCB connectors with 7.5 mm spacing	Type 8313, 8390, 8391		Type 8313, 8390, 8391			
PCB connectors with 7.62 mm spacing	Type 8413, 8491		Type 8413, 8491			
PCB connectors with 3.5 mm spacing	Type 8543, 8593		Type 8543, 8593			
PCB connectors with 3.81 mm spacing	Type 8813, 8893		Type 8813, 8893			
<b>Technical data</b>						
Materials	Ms tin-plated		Ms tin-plated			
PCB hole diameter	1.3 –1.4 mm		1.3 –1.4 mm			
PCB hole spacing	5 mm		5 mm			
<b>Accessories</b>						
Tab connector	6.3 mm, straight	05.555.8521.0	50	6.3 mm, straight	05.555.8521.0	50
Tab connector	6.3 mm, angled	05.555.8721.0	50	6.3 mm, angled	05.555.8721.0	50
Tab connector	2 x 2.8 mm, straight	05.555.9121.0	50	2 x 2.8 mm, straight	05.555.9121.0	50
Tab connector	2 x 2.8 mm, angled	05.555.8921.0	50	2 x 2.8 mm, angled	05.555.8921.0	50
Tab connector	2.8 mm, straight	05.555.8621.0	50	2.8 mm, straight	05.555.8621.0	50
Tab connector	2.8 mm, angled	05.555.8821.0	50	2.8 mm, angled	05.555.8821.0	50
Mounting rail 35, DIN rail 7.5 high L = 2 m	35 x 27 x 7.5 EN 50022	98.300.0000.0	1	35 x 27 x 7.5 EN 50022	98.300.0000.0	1
Mounting rail 35, DIN rail 15 hoc L = 2 m	35 x 24 x 15 EN 50022	98.360.0000.0	1	35 x 24 x 15 EN 50022	98.360.0000.0	1
Mounting rail 32, G-rail L = 2 m	9006 EN 50035 G-32	98.190.0000.0	1	9006 EN 50035 G-32	98.190.0000.0	1
End clamp, Polyamide 8 mm wide TS 35	9708/2 S 35	Z5.522.8553.0	100	9708/2 S 35	Z5.522.8553.0	100
End clamp, Polyamide 10 mm wide U-Foot	WE 1/U	Z5.523.5753.0	100	WE 1/U	Z5.523.5753.0	100
Marking tag carrier	9003 C/4	04.242.1050.0	200	9003 C/4	04.242.1050.0	200
Marking tag, unmarked	9003 C	04.241.0651.0	500	9003 C	04.241.0651.0	500
Marking tag, marked	9003 CB	04.841.0651.0	500	9003 CB	04.841.0651.0	500

# Electronic housings WEB housing system housing system

Possible areas of application:

- Devices and controllers for consumers electronics
- Industrial electronics
- Control technology
- Data technology

Material:

Housing: PA 6      UL 94-HB  
Foot: PA 66      UL 94-V2  
Cover: PC      UL 94-HB



## Size 8

93 x 42 x 96 / for PCB 93 x 89.6

## Size 9

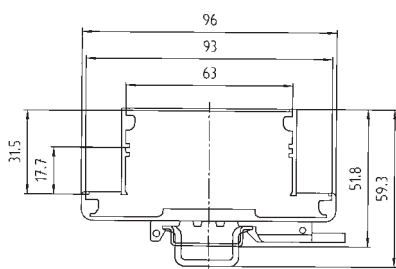
93 x 74 x 96 / for PCB 93/63 x 89.6

Dimensions (mm): W x H x D / for PCB

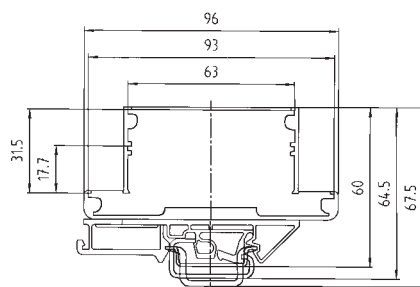
Description	Part No.	Std. Pack	Part No.	Std. Pack			
<b>Electronic housings, complete with U-Foot, without PCB</b>	87.080.0053.0	10	87.090.0053.0	10			
(The housings are supplied unassembled and without PCBs)							
<b>Individual parts</b>							
1. Housing	01.001.5453.0	50	01.001.5353.0	10			
Housing	01.001.5453.0	50	01.001.5353.0	10			
2. Cover	04.312.3254.0	50	04.312.3554.0	50			
4. Universal foot	05.583.0153.0	50	05.583.0153.0	50			
<b>Connection technique</b>							
PCB connectors with 5 mm spacing	Type 8190, 8191, 8192, 8113, 8142		Type 8190, 8191, 8192, 8113, 8142				
PCB connectors with 5.08 mm spacing	Type 8213, 8281, 8291, 8292		Type 8213, 8281, 8291, 8292				
PCB connectors with 7.5 mm spacing	Type 8313, 8390, 8391		Type 8313, 8390, 8391				
PCB connectors with 7.62 mm spacing	Type 8413, 8491		Type 8413, 8491				
PCB connectors with 3.5 mm spacing	Type 8543, 8593		Type 8543, 8593				
PCB connectors with 3.81 mm spacing	Type 8813, 8893		Type 8813, 8893				
<b>Technical data</b>							
Materials	Ms tin-plated		Ms tin-plated				
PCB hole diameter	1.3 – 1.4 mm		1.3 – 1.4 mm				
PCB hole spacing	5 mm		5 mm				
<b>Accessories</b>							
Tab connector	6.3 mm, straight	05.555.8521.0	50	6.3 mm, straight	05.555.8521.0	50	
Tab connector	6.3 mm, angled	05.555.8721.0	50	6.3 mm, angled	05.555.8721.0	50	
Tab connector	2 x 2.8 mm, straight	05.555.9121.0	50	2 x 2.8 mm, straight	05.555.9121.0	50	
Tab connector	2 x 2.8 mm, angled	05.555.8921.0	50	2 x 2.8 mm, angled	05.555.8921.0	50	
Tab connector	2.8 mm, straight	05.555.8621.0	50	2.8 mm, straight	05.555.8621.0	50	
Tab connector	2.8 mm, angled	05.555.8821.0	50	2.8 mm, angled	05.555.8821.0	50	
Mounting rail 35, DIN rail 7.5 high	L = 2 m	35 x 27 x 7.5 EN 50022	98.300.0000.0	1	35 x 27 x 7.5 EN 50022	98.300.0000.0	1
Mounting rail 35, DIN rail 15 high	L = 2 m	35 x 24 x 15 EN 50022	98.360.0000.0	1	35 x 24 x 15 EN 50022	98.360.0000.0	1
Mounting rail 32, G rail	L = 2 m	9006 EN 50035 G-32	98.190.0000.0	1	9006 EN 50035 G-32	98.190.0000.0	1
End clamp, Polyamide	8 mm wide TS 35	9708/2 S 35	Z5.522.8553.0	100	9708/2 S 35	Z5.522.8553.0	100
End clamp, Polyamide	10 mm wide U-Foot	WE 1/U	Z5.523.5753.0	100	WE 1/U	Z5.523.5753.0	100
Marking tag carrier		9003 C/4	04.242.1050.0	200	9003 C/4	04.242.1050.0	200
Marking tag, unmarked		9003 C	04.241.0651.0	500	9003 C	04.241.0651.0	500
Marking tag, marked		9003 CB	04.841.0651.0	500	9003 CB	04.841.0651.0	500

# Electronic housings WEB housing system

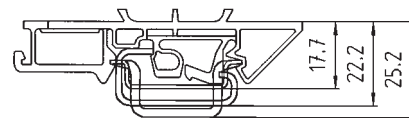
**Dimensions for WEB housing for sizes 1, 3, 6 and 8 with TS 35 foot**



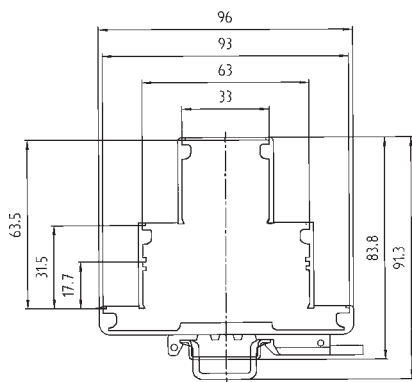
**Dimensions for WEB housing for sizes 1, 3, 6 and 8 with universal foot**



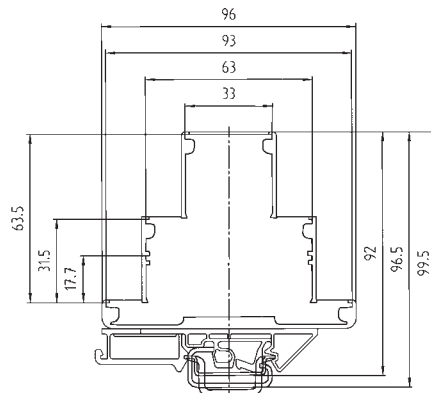
**Dimensions of universal foot**



**Dimensions for WEB housing for sizes 2, 4, 7 and 9 with TS 35 foot**



**Dimensions for WEB housing for sizes 2, 4, 7 and 9 with universal foot**



# Electronic housings WEB housing system

## housing system

### System advantages:

- Open modules can be snapped together to any length
- Complete custom design possible
- The modular design enables quick assembly
- High torsional rigidity due to the firm interconnection of the individual elements
- Can be snapped onto all 32/35 DIN rails using the universal foot



### Material:

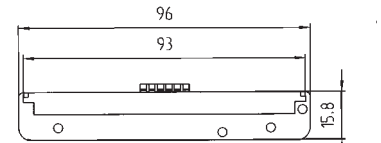
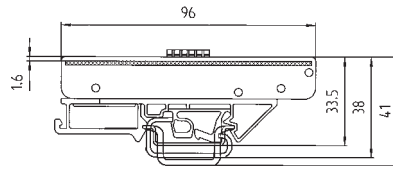
Housing: PA 6 GU30 UL 94-HB  
Foot: PA 66 UL 94-V2

### WEB 1001

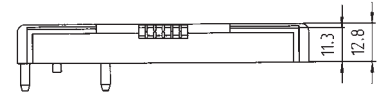
Variable x 96 x 33.5

Dimensions (mm): W x H x D

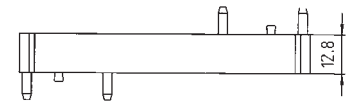
Individual parts	Type	Part No.	Std. Pack
<b>1. End cover with marking tag carrier</b>	12.8 mm wide	01.001.5593.0	50
<b>1. End cover without marking tag carrier</b>	12.8 mm wide	01.001.5953.0	10
<b>2. Middle section of housing</b>	12.8 mm wide	01.001.5853.0	50
<b>3. Middle section of housing</b>	22.5 mm wide	01.001.5653.0	50
<b>4. Middle section of housing</b>	44.8 mm wide	01.001.5753.0	50
<b>5. Universal foot</b>	23 mm wide	05.583.0053.0	50
<b>5. Universal foot</b> (overall width from 70.4 mm and wider)	68 mm wide	05.583.0153.0	50
<b>Accessories</b>			
Mounting rail 35, DIN rail 7.5 mm high L = 2 m	35 x 27 x 7.5 EN 50022	98.300.0000.0	1
Mounting rail 35, DIN rail 15 mm high L = 2 m	35 x 24 x 15 EN 50022	98.360.0000.0	1
Mounting rail 32, G-rail L = 2 m	9006 EN 50035 G-32	98.190.0000.0	1
PCB (not included)	see drawing for dimensions		
End clamp, Polyamide 8 mm wide TS 35	9708/2 S 35	Z5.522.8553.0	100
End clamp, Polyamide 10 mm wide U-Foot	WE 1/U	Z5.523.5753.0	100
Marking tag, unmarked	9003 C	04.242.0850.0	500
Marking tag, marked	9003 CB	04.842.0850.0	500



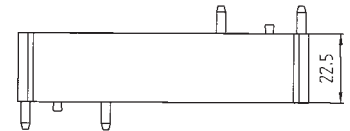
Width 12.8 mm 01.001.5593.0 50



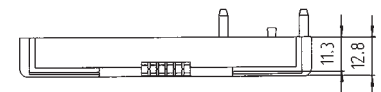
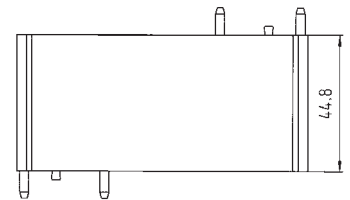
Width 12.8 mm 01.001.5853.0 50



Width 22.5 mm 01.001.5653.0 50

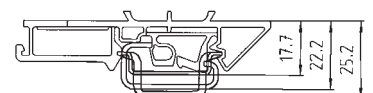


Width 44.8 mm 01.001.5753.0 50



01.001.5593.0 50

Universal foot



Width 23 mm 05.583.0053.0 50

Width 68 mm 05.583.0153.0 50

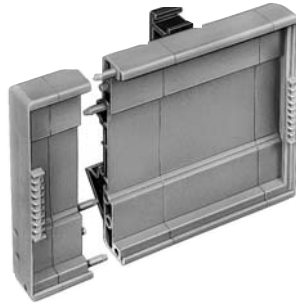
(overall width from 70.4 mm)

# Electronic housings WEB housing system

# housing system

### System advantages:

- Open modules can be snapped together to any length
- Complete custom design possible
- The modular design enables quick assembly
- High torsional rigidity due to the firm interconnection of the individual elements
- Can be snapped onto all 32/35 DIN rails using the universal foot



### Material:

Housing: PA 6 GU30 UL 94-HB

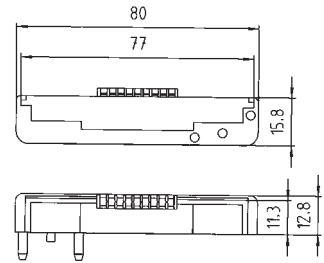
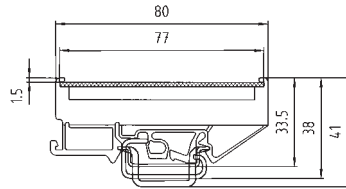
Foot: PA 66 UL 94-V2

## WEB 1002

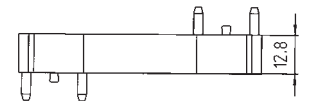
Dimensions (mm): W x H x D

Variable x 80 x 33.5

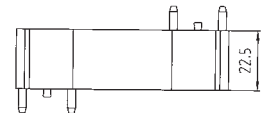
Individual parts	Type	Part No.	Std. Pack
<b>1. End cover with marking tag carrier</b>	12.8 mm wide	01.001.6493.0	50
<b>2. Middle section of housing</b>	12.8 mm wide	01.001.6553.0	50
<b>3. Middle section of housing</b>	22.5 mm wide	01.001.6653.0	50
<b>4. Middle section of housing</b>	44.8 mm wide	01.001.6753.0	50
<b>5. Universal foot</b>	23 mm wide	05.584.8853.0	50
<b>5. Universal foot</b> (overall width from 70.4 mm and wider)	68 mm wide	05.584.8953.0	50
<b>Accessories</b>			
Mounting rail 35, DIN rail 7.5 mm high L = 2 m	35 x 27 x 7.5 EN 50022	98.300.0000.0	1
Mounting rail 35, DIN rail 15 mm high L = 2 m	35 x 24 x 15 EN 50022	98.360.0000.0	1
Mounting rail 32, G-rail L = 2 m	9006 EN 50035 G-32	98.190.0000.0	1
PCB (not included)	see drawing for dimensions		
End clamp, Polyamide 8 mm wide TS 35	9708/2 S 35	Z5.522.8553.0	100
End clamp, Polyamide 10 mm wide U-Foot	WE 1/U	Z5.523.5753.0	100
Marking tag, unmarked	9003 C	04.242.0850.0	500
Marking tag, marked	9003 CB	04.842.0850.0	500



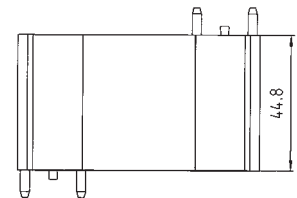
Width 12.8 mm 01.001.6493.0 50



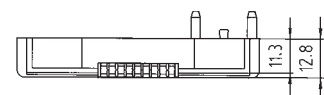
Width 12.8 mm 01.001.6553.0 50



Width 22.5 mm 01.001.6653.0 50

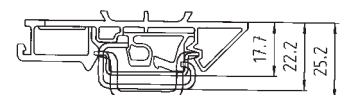


Width 44.8 mm 01.001.6753.0 50



01.001.6493.0 50

### Universal foot



Width 23 mm 05.584.8853.0 50

Width 68 mm 05.584.8953.0 50

(overall width from 70.4 mm)

# Electronic housings WEB housing system housing system system

## with integrated U-foot

System advantages:

- Open modules can be snapped together for any length
- Complete custom design possible
- The modular design enables quick assembly
- High torsional rigidity due to the firm interconnection of the individual elements
- Can be snapped onto all 32/35 DIN rails using the universal foot



Material:

Housing: PA 6 GU30 UL 94-HB

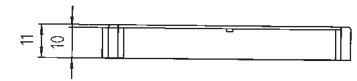
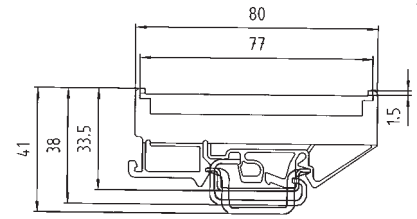
Foot: PA 66 UL 94-V2

## WEB 1002 with integrated U-Foot

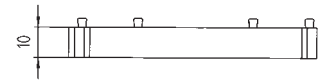
Variable x 80 x 33.5

Dimensions (mm): W x H x D

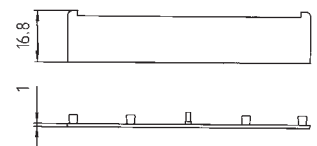
Individual parts	Type	Part No.	Std. Pack
1. End cover with integrated U-foot	11 mm wide	01.001.6293.0	1
2. Middle section with integrated U-foot	10 mm wide	01.001.6353.0	50
3. End plate	1 mm wide	07.310.9653.0	50
<b>Accessories</b>			
Mounting rail 35, DIN rail 7.5 mm high L = 2 m	35 x 27 x 7.5 EN 50022	98.300.0000.0	1
Mounting rail 35, DIN rail 15 mm high L = 2 m	35 x 24 x 15 EN 50022	98.360.0000.0	1
Mounting rail 32, G-rail L = 2 m	9006 EN 50035 G-32	98.190.0000.0	1
PCB (not included)	see drawing for dimensions		
End clamp, Polyamide 8 mm wide TS 35	9708/2 S 35	Z5.522.8553.0	100
End clamp, Polyamide 10 mm wide U-Foot	WE 1/U	Z5.523.5753.0	100
Marking tag, unmarked	9003 C	04.242.0850.0	500
Marking tag, marked	9003 CB	04.842.0850.0	500



Width 11 mm 01.001.6293.0 1



Width 10 mm 01.001.6353.0 50



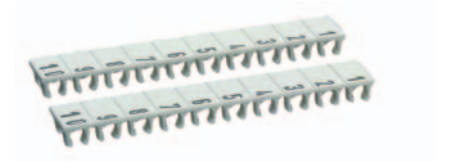
Width 1 mm 07.310.9653.0 50

# Electronic housings

## Marking accessories for WEB housing system

# housing system

Material:  
Polyamide 66/6  
Color: black figures on white background




### Marking tag carrier 10 mm spacing

### Marking tag 3 digits

### Single tag

### Marking strip 10 mm spacing

Type	Part No.	Std. Pack	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
<b>marked for 5 terminals (every 2nd tag)</b>			<b>unmarked</b>			<b>unmarked</b>		
9705 A/5/10/5 B	04.842.5553.0	25	9705 A	04.242.0850.0	500	9705 A/5/10	04.242.5053.0	25
						<b>marked*</b>		
			9705 AB	04.842.0850.0	500	9705 A/5/10 B	04.842.5053.0	25
						<b>with enlarged marking area</b>		
						9705 AL/5/10	04.242.5153.0	25
			* Please indicate the required marking together with the part number!			* Please indicate the required marking together with the part number!		
			<b>Standard pack = 500 tags</b>			<b>Standard pack = 25 strips = 250 tags</b>		
								
<b>Marking tag carrier for WEB housings</b>			<b>Marking tag 8 digits</b>			<b>Marking strip 5 mm spacing</b>		
	04.242.1050.0	200	<b>unmarked</b>			9705 A/5/9 B		
			9705 AL	04.242.1553.0	500		04.842.4953.0	25
						Marking on the strips: 1 ... 9		
			9705 ALB	04.842.1553.0	500	<b>Standard pack = 25 strips = 225 tags</b>		
			* Please indicate the required marking together with the part number!					
			<b>Standard pack = 500 tags</b>					



# Electronic housings

## Marking accessories for WEB housing system

# housing system



Bezeichnungsschilderast mit 10 Bezeichnungsschildern	Marking per strip	Type	Part No.	Std. Pack
unmarked		9704 A	04.241.1150.0	25
marked with the same number	1 1 1 1 1 1 1 1 1 1	9704 A/1 B	04.841.1150.0	25
	2 2 2 2 2 2 2 2 2 2	9704 A/2 B	04.841.1250.0	25
	3 3 3 3 3 3 3 3 3 3	9704 A/3 B	04.841.1350.0	25
	4 4 4 4 4 4 4 4 4 4	9704 A/4 B	04.841.1450.0	25
	5 5 5 5 5 5 5 5 5 5	9704 A/5 B	04.841.1550.0	25
	6 6 6 6 6 6 6 6 6 6	9704 A/6 B	04.841.1650.0	25
	7 7 7 7 7 7 7 7 7 7	9704 A/7 B	04.841.1750.0	25
	8 8 8 8 8 8 8 8 8 8	9704 A/8 B	04.841.1850.0	25
	9 9 9 9 9 9 9 9 9 9	9704 A/9 B	04.841.1950.0	25
	0 0 0 0 0 0 0 0 0 0	9704 A/0 B	04.841.2050.0	25
	marked with consecutive numbers	1 2 3 4 5 6 7 8 9 0	9704 A/1-0 B	04.841.2150.0
marked with the same upper-case letters	A A A A A A A A A A	9704 A/AG B	04.841.2250.0	25
	B B B B B B B B B B	9704 A/BG B	04.841.2350.0	25
	C C C C C C C C C C	9704 A/CG B	04.841.2450.0	25
	D D D D D D D D D D	9704 A/DG B	04.841.2550.0	25
	E E E E E E E E E E	9704 A/EG B	04.841.2650.0	25
	F F F F F F F F F F	9704 A/FG B	04.841.2750.0	25
	G G G G G G G G G G	9704 A/GG B	04.841.2850.0	25
	H H H H H H H H H H	9704 A/HG B	04.841.2950.0	25
	I I I I I I I I I I	9704 A/IG B	04.841.3050.0	25
	J J J J J J J J J J	9704 A/JG B	04.841.3150.0	25
	K K K K K K K K K K	9704 A/KG B	04.841.3250.0	25
	L L L L L L L L L L	9704 A/LG B	04.841.3350.0	25
	M M M M M M M M M M	9704 A/MG B	04.841.3450.0	25
	N N N N N N N N N N	9704 A/NG B	04.841.3550.0	25
	O O O O O O O O O O	9704 A/OG B	04.841.3650.0	25
	P P P P P P P P P P	9704 A/PG B	04.841.3750.0	25
	Q Q Q Q Q Q Q Q Q Q	9704 A/QG B	04.841.3850.0	25
	R R R R R R R R R R	9704 A/RG B	04.841.3950.0	25
	S S S S S S S S S S	9704 A/SG B	04.841.4050.0	25
	T T T T T T T T T T	9704 A/TG B	04.841.4150.0	25
	U U U U U U U U U U	9704 A/UG B	04.841.4250.0	25
	V V V V V V V V V V	9704 A/VG B	04.841.4350.0	25
	W W W W W W W W W W	9704 A/WG B	04.841.4450.0	25
	X X X X X X X X X X	9704 A/XG B	04.841.4550.0	25
	Y Y Y Y Y Y Y Y Y Y	9704 A/YG B	04.841.4650.0	25
	Z Z Z Z Z Z Z Z Z Z	9704 A/ZG B	04.841.4750.0	25
marked with the same lower-case letters	a a a a a a a a a a	9704 A/AK B	04.841.4850.0	25
	b b b b b b b b b b	9704 A/BK B	04.841.4950.0	25
	c c c c c c c c c c	9704 A/CK B	04.841.5050.0	25
	d d d d d d d d d d	9704 A/DK B	04.841.5150.0	25
	e e e e e e e e e e	9704 A/EK B	04.841.5250.0	25
	f f f f f f f f f f	9704 A/FK B	04.841.5350.0	25
	g g g g g g g g g g	9704 A/GK B	04.841.5450.0	25
	h h h h h h h h h h	9704 A/HK B	04.841.5550.0	25
	i i i i i i i i i i	9704 A/IK B	04.841.5650.0	25
	j j j j j j j j j j	9704 A/JK B	04.841.5750.0	25
	k k k k k k k k k k	9704 A/KK B	04.841.5850.0	25
	l l l l l l l l l l	9704 A/LK B	04.841.5950.0	25
	m m m m m m m m m m	9704 A/MK B	04.841.6050.0	25
	n n n n n n n n n n	9704 A/NK B	04.841.6150.0	25
	o o o o o o o o o o	9704 A/OK B	04.841.6250.0	25
	p p p p p p p p p p	9704 A/PK B	04.841.6350.0	25
	q q q q q q q q q q	9704 A/QK B	04.841.6450.0	25
	r r r r r r r r r r	9704 A/RK B	04.841.6550.0	25
	s s s s s s s s s s	9704 A/SK B	04.841.6650.0	25
	t t t t t t t t t t	9704 A/TK B	04.841.6750.0	25
	u u u u u u u u u u	9704 A/UK B	04.841.6850.0	25
	v v v v v v v v v v	9704 A/VK B	04.841.6950.0	25
	w w w w w w w w w w	9704 A/WK B	04.841.7050.0	25
	x x x x x x x x x x	9704 A/XK B	04.841.7150.0	25
	y y y y y y y y y y	9704 A/YK B	04.841.7250.0	25
	z z z z z z z z z z	9704 A/ZK B	04.841.7350.0	25
marked with the same symbols	+ + + + + + + + + +	9704 A/+ B	04.841.7450.0	25
	- - - - - - - - - -	9704 A/- B	04.841.7550.0	25
	/ / / / / / / / / /	9704 A// B	04.841.7650.0	25
	. . . . . . . . . .	9704 A/. B	04.841.7750.0	25
1 set of the same numbers = 10 x 25 strips = 2500 numbers	1 1 1 ... 0 0 0	111 through 000	04.841.9050.0	1
1 set of u-case letters = 26 x 25 strips = 6500 letters	A A A ... Z Z Z	A through Z GB	04.841.9150.0	1
1 set of l-case letters = 26 x 25 strips = 6500 letters	a a a ... z z z	a through z KB	04.841.9250.0	1

# *housing system*