



System components
System solutions



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.





**Electronic
Housings**

dipos
NGG
WEB



Electronic housings

Contents

housing system

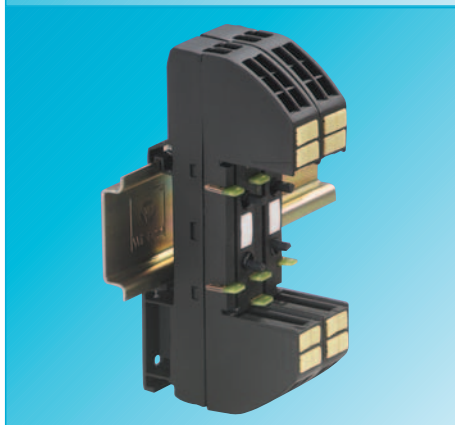
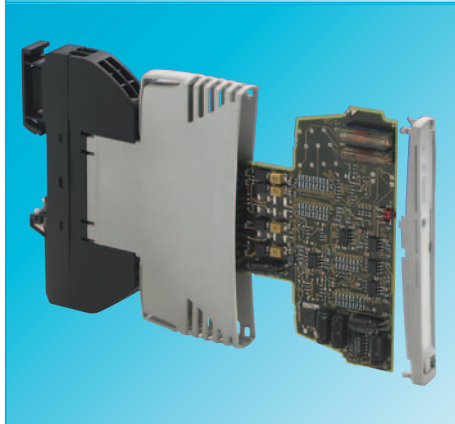
Contents – Electronic housings

				Page		
General information on the <i>dipos</i> housing system				1354		
Modular housing system <i>dipos</i> Housing: 100 x 100 mm	12.5 mm wide	Module base with screw terminal	80.060.0000.1	1355		
		Module base with spring clamp terminal	80.060.0001.1	1355		
		Empty housing	80.061.0010.3	1355		
	17.5 mm wide	Module base with screw terminal	80.060.1000.1	1355		
		Module base with spring clamp terminal	80.060.1001.1	1355		
		Empty housing	80.060.1010.3	1355		
	22.5 mm wide	Module base with screw terminal	80.060.2000.1	1356		
		Module base with spring clamp terminal	80.060.2001.1	1356		
		Empty housing	80.060.2010.3	1356		
	Housing: 75 x 75 / 100 mm	12.5 mm wide	Module base with screw terminal	80.060.0000.1	1358	
			Module base with spring clamp terminal	80.060.0001.1	1358	
			Housing 75 x 100 mm	80.062.0100.3	1358	
Housing 75 x 75 mm			80.062.0000.3	1358		
17.5 mm wide		Module base with screw terminal	80.060.1000.1	1358		
		Module base with spring clamp terminal	80.060.1001.1	1358		
22.5 mm wide	Module base with screw terminal	80.062.1100.3	1358			
		80.062.1000.3	1358			
		Module base with spring clamp terminal	80.060.2000.1	1359		
		Module base with spring clamp terminal	80.060.2001.1	1359		
Housing 75 x 100 mm	80.062.2100.3	1359				
		80.062.2000.3	1359			
		General information on the NGG housing system		1361		
		NGG housing system	2.5 m wide	Housing K3-1-1	1362	
Housing K3-2-10	1362					
Housing K3-3-2	1363					
Housing K3-3-15	1363					
Housing K3-4-1	1364					
Clamping body N1238-1	1367					
General information on the WEB housing system				1369		
WEB housing system		Size 1		1371		
		Size 2		1371		
		Size 3		1372		
		Size 4		1372		
		Size 6		1373		
		Size 7		1373		
		Size 8		1374		
		Size 9		1374		
		WEB 1001		1376		
		WEB 1002		1377		
		WEB 1002 with integrated U-foot		1378		
		Marking accessories for the WEB housing system				1379

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
Module base <i>dipos umc</i>						
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
Empty housings		80.061.0010.3	1		80.061.1010.3	1
Technical data						
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 ² – 2.5 mm ²			0.2 mm ² – 2.5 mm ²		
solid	0.2 mm ² – 4 mm ²			0.2 mm ² – 4 mm ²		
flexible with ferrule with/without plastic sleeve	0.25 mm ² – 2.5 mm ² / 0.25 mm ² – 1.5 mm ²			0.25 mm ² – 2.5 mm ² / 0.25 mm ² – 1.5 mm ²		
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 ² – 2.5 mm ²			0.08 mm ² – 2.5 mm ²		
with ferrules	0.08 mm ² – 1.5 mm ²			0.08 mm ² – 1.5 mm ²		
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			EN 60947-1		
	DIN EN 50178			DIN EN 50178		
	DIN VDE 0611 T1			DIN VDE 0611 T1		
	VDE 0110			VDE 0110		
	VDE 106			VDE 106		
Accessories						
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



Approvals:  

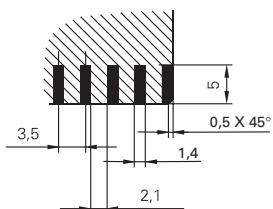
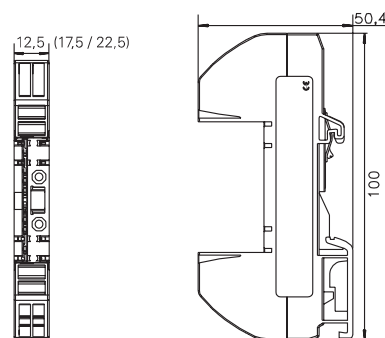
22.5 x 100 x 100 (Standard)

Dimensions (mm): W x H x D

Description	Type	Part No.	Std. Pack
Module base <i>dipos</i> umc			
with screw terminals (screw thread M3)		80.060.2000.1	1
with spring clamp		80.060.2001.1	1
Empty housings		80.061.2010.3	1
Technical data			
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 ² – 2.5 mm ²		
solid	0.2 mm ² – 4 mm ²		
flexible with ferrule with/without plastic sleeve	0.25 mm ² – 2.5 mm ² / 0.25 mm ² – 1.5 mm ²		
AWG	24 – 12		
Tightening torque	0.5 – 0.6 Nm		
Wire range of spring-clamp terminal	0.08 mm ² – 2.5 mm ²		
with ferrules	0.08 mm ² – 1.5 mm ²		
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		
Accessories			
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*

Module base



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

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
Module base <i>dipos</i> umc						
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
Electronic housings 100 mm						
75 mm						
		80.062.0100.3	1		80.062.1100.3	1
		80.062.0000.3	1		80.062.1000.3	1
Technical data						
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 ² – 2.5 mm ²			0.2 mm ² – 2.5 mm ²		
solid	0.2 mm ² – 4 mm ²			0.2 mm ² – 4 mm ²		
flexible with ferrule with/without plastic sleeve	0.25 mm ² – 2.5 mm ² / 0.25 mm ² – 1.5 mm ²			0.25 mm ² – 2.5 mm ² / 0.25 mm ² – 1.5 mm ²		
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 ² – 2.5 mm ²			0.08 mm ² – 2.5 mm ²		
with ferrules	0.08 mm ² – 1.5 mm ²			0.08 mm ² – 1.5 mm ²		
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			EN 60947-1		
	DIN EN 50178			DIN EN 50178		
	DIN VDE 0611 T1			DIN VDE 0611 T1		
	VDE 0110			VDE 0110		
	VDE 106			VDE 106		
Accessories						
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)

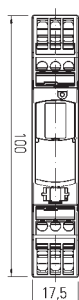
Description	Type	Part No.	Std. Pack	
Module base <i>dipos</i> umc				
with screw terminals (screw thread M3)		80.060.2000.1	1	
with spring clamp		80.060.2001.1	1	
Electronic housings 100 mm		80.062.2100.3	1	
75 mm		80.062.2000.3	1	
Technical data				
Rated voltage		230/400 V AC		
Maximum rated current		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 ² – 2.5 mm ²		
solid		0.2 mm ² – 4 mm ²		
flexible with ferrule with/without plastic sleeve		0.25 mm ² – 2.5 mm ² / 0.25 mm ² – 1.5 mm ²		
AWG		24 – 12		
Tightening torque		0.5 – 0.6 Nm		
Wire range of spring-clamp terminal		0.08 mm ² – 2.5 mm ²		
with ferrule		0.08 mm ² – 1.5 mm ²		
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		
Accessories				
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

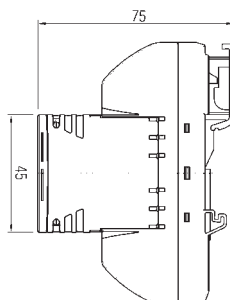
Modular housing system *dipos*

housing system

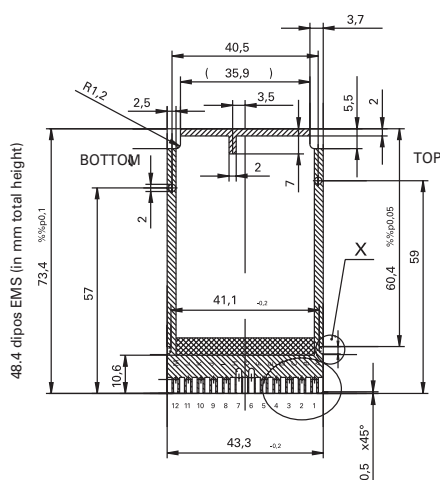
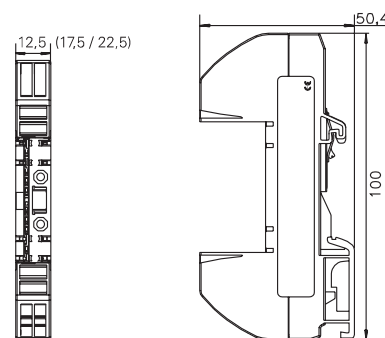
Plan view



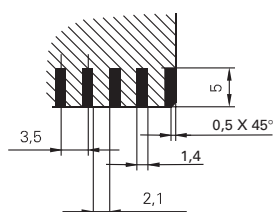
Housing



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 mm²
- ☐ 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



housing system

[illegible]

Electronic housing NGG housing system

Housing with terminals (without PC board)



K3-3 housing with 12 terminals



K3-3 housing with 9 terminals

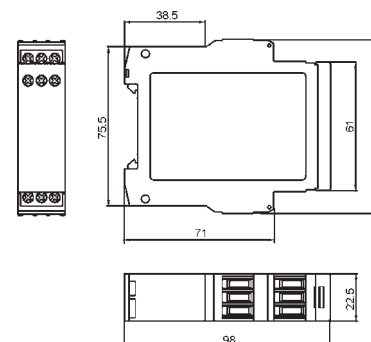
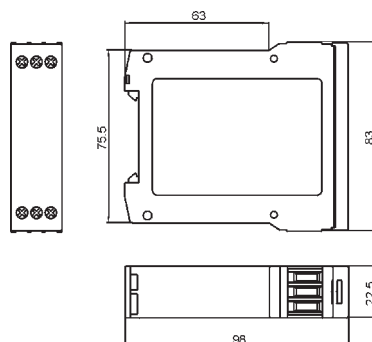
[illegible]

K3-4 housing with 6 terminals

[illegible]

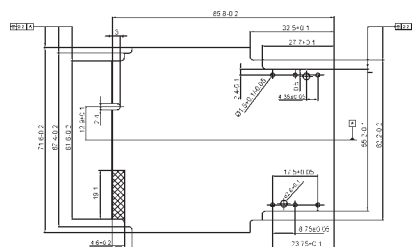
Electronic housings NGG housing system

Housing dimensions



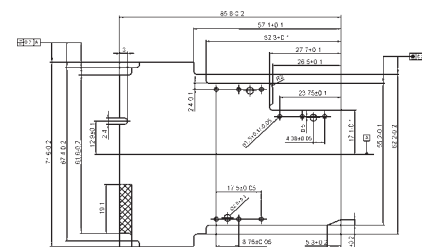
PCB dimensions

Nominal thickness 1.5 mm



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

Radii $R < 1.2$ without dimensions
Lateral view

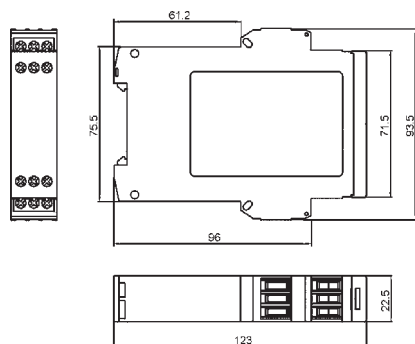


 Both sides of this surface must be left free of any components or layers.

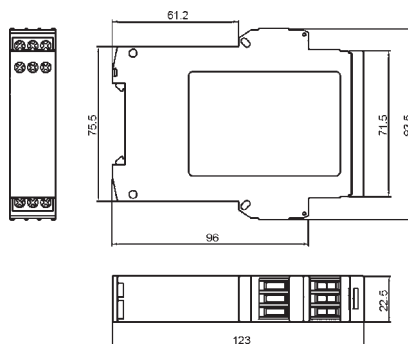
Radii $R < 1.2$ without dimensions
Lateral view

Electronic housing NGG housing system *housing system*

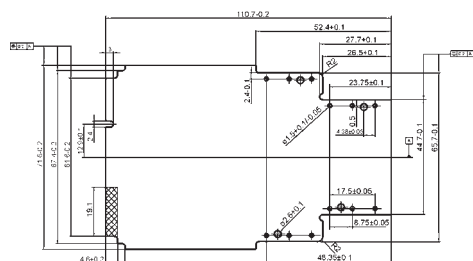
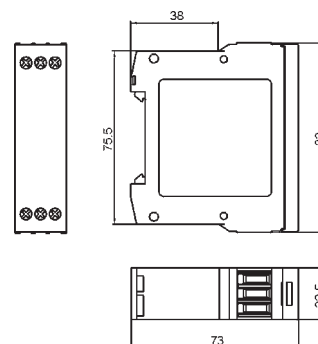
**Type (including terminals):
K3-3-2**



**Type (including terminals):
K3-3-15**

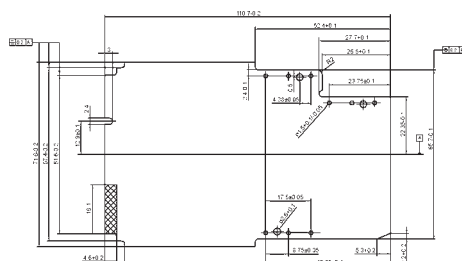


**Type (including terminals):
K3-4-1**



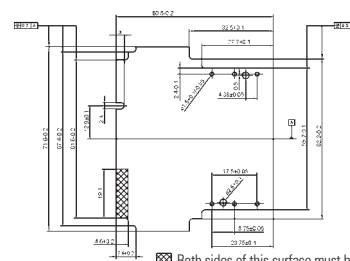
Both sides of this surface must be left free of any components or layers.

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

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.

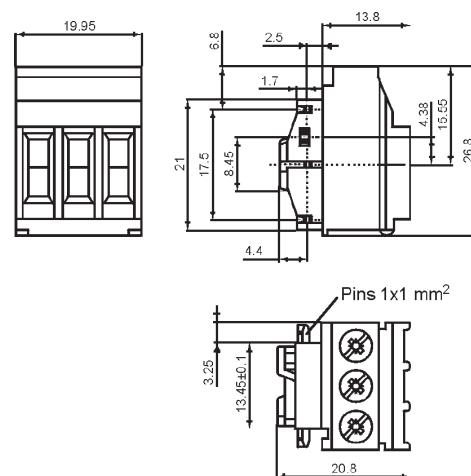


The terminal block accepts wire cross sections up to 6 mm². Captive 3 mm Pozidrive-2 screws enable torques of up to 1 Nm and are therefore suitable for use with automatic screwdrivers.

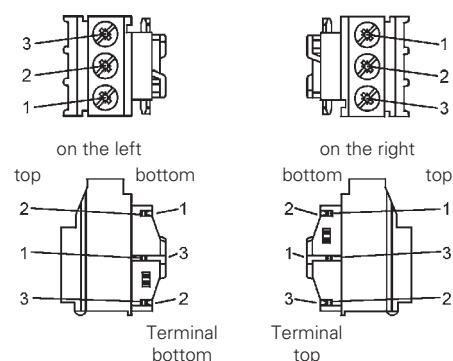
Terminals N1238-2

[illegible]

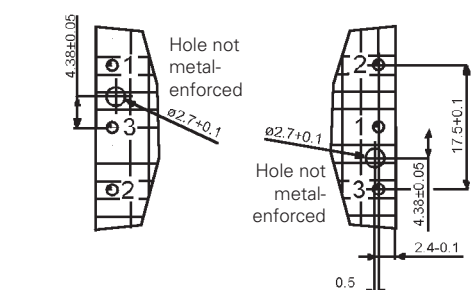
Terminals dimensions



Pin assignment



PCB hole dimensions



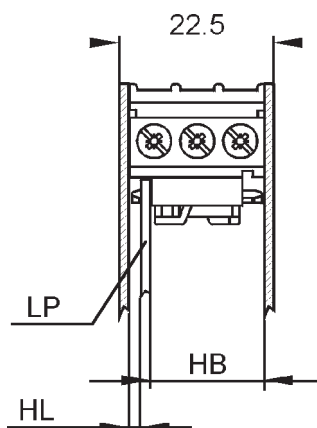
2.5 mm spacing
Hole diameter:
Lateral view

☐ 1.5+0.1/-0.05

Electronic housings NGG housing system – terminals

housing system

Maximum design heights



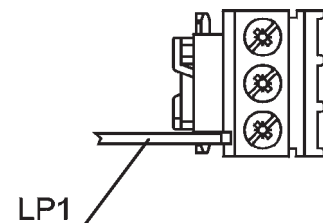
Placement side:
HB max. 1.6 mm

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

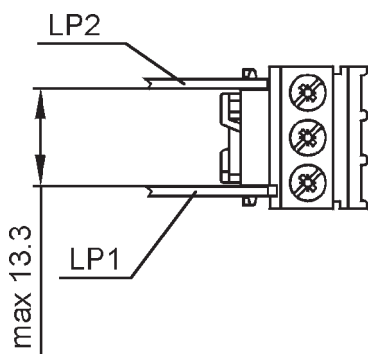
Solder side:
PCB 0.8 mm thick HL max. 2.2 mm

PCB assembly

Assembly of one PCB

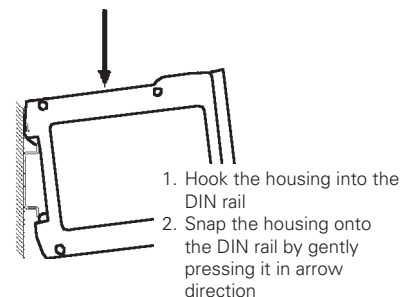


Assembly of two PCBs in sandwich design

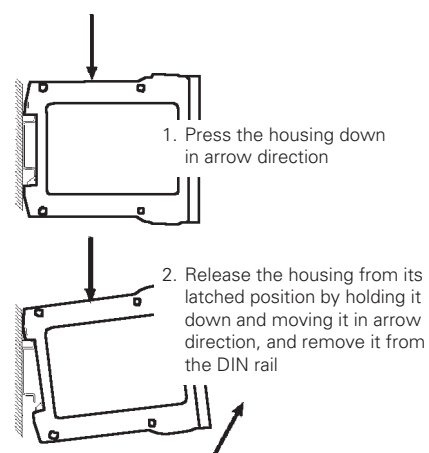


Housing assembly

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

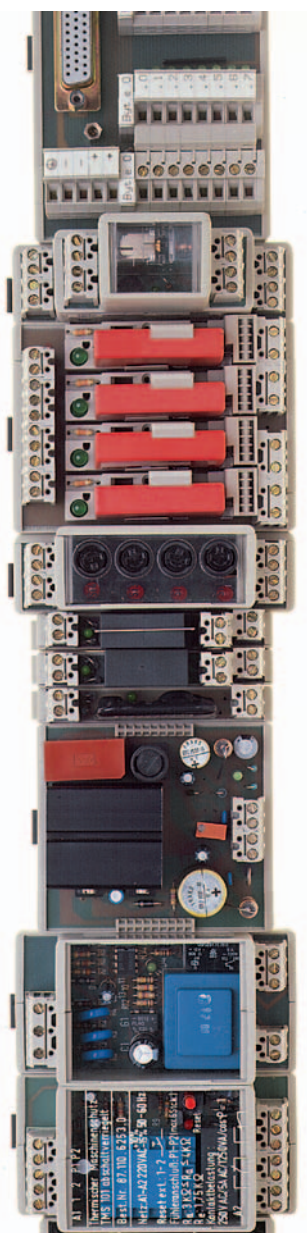
- ☐ Designs ranging from an overall housing height of 42 mm and a PCB size of 92.3 x 22.3 mm up to 68 mixed connections in multi-tier design
- ☐ Closed design provides protection for the electronic components
- ☐ With transparent cover for checking displays etc.
- ☐ Marking facility on the housing

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

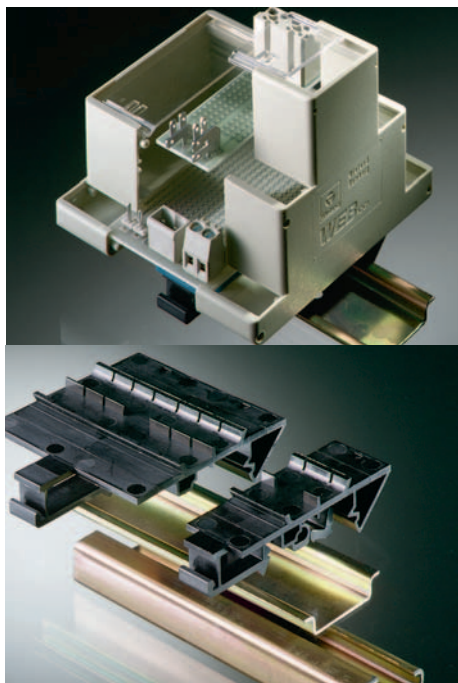
- ☐ Construction of up to 9 housing configurations without tools and using just a few individual parts
- ☐ Connection system
 - PCB connectors
 - direct mount and pluggable connectors
 - Tab connectors
 - etc.
- ☐ PCB can be fitted with components and soldered independently of the housing



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

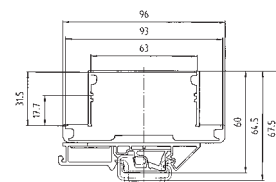
Attachment to the mounting rail

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

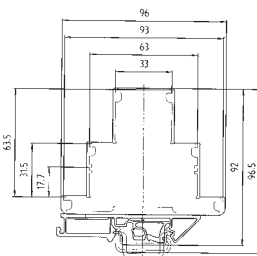
Marking systems

- ❑ 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

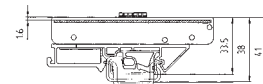
WEB
closed housing



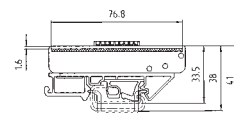
WEB
closed housing



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



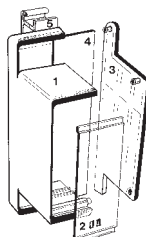
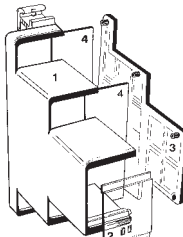
Size 1

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		
Electronic housing, complete with U-Foot, without PCB	87.010.0053.0	10	87.020.0053.0	10		
Electronic housing, complete with TS 35 foot, without PCB	86.010.0053.0	10	86.020.0053.0	10		
(The housings are supplied unassembled and without PCBs)						
Individual parts						
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	Z5.595.2153.0	50	Z5.595.2153.0	50		
Connection technique						
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			
Accessories						
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

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



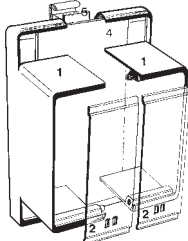
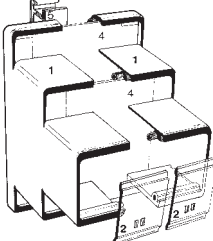
Size 3

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
Electronic housings, complete with U-Foot, without PCB	87.030.0053.0	10	87.040.0053.0	10
Electronic housings, complete with TS 35 foot, without PCB	86.030.0053.0	10	86.040.0053.0	10
(The housings are supplied unassembled and without PCBs)				
Individual parts				
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
Connection technique				
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	
Accessories				
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

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

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



70.5 x 42 x 96 / for PCB 93 x 67

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

70.5 x 74 x 96 / for PCB 93/63 x 67

70.5 x 74 x 96 / for PCB 93/63 x 67

Electronic housings WEB housing system

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

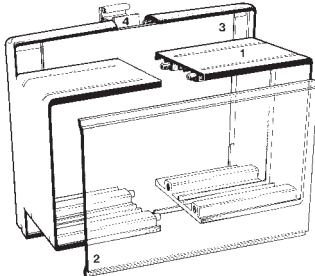
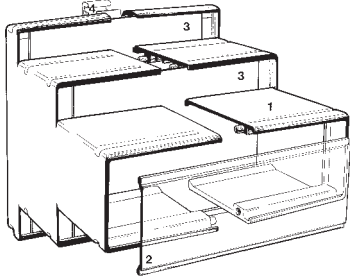
Material:		
Housing:	PA 6	UL 94-HB
Foot:	PA 66	UL 94-V2
Cover:	PC	UL 94-HB



Size 9

93 x 42 x 96 / for PCB 93 x 89.6

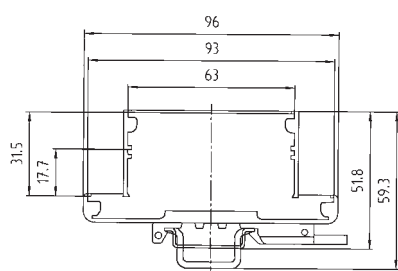
93 x 74 x 96 / for PCB 93/63 x 89.6

Description	Part No.	Std. Pack	Part No.	Std. Pack
Electronic housings, complete with U-Foot, without PCB (The housings are supplied unassembled and without PCBs)	87.080.0053.0	10	87.090.0053.0	10
				
Individual parts				
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
Connection technique				
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	
Technical data				
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	
Accessories				
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

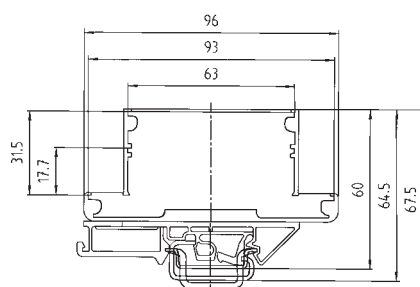
Electronic housings

WEB housing system

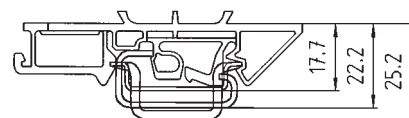
Dimensions for WEB housing for sizes 1, 3, 6 and 8 with TS 35 foot



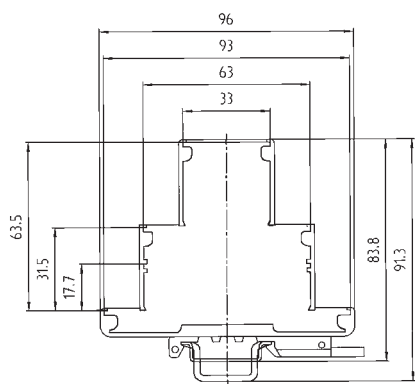
Dimensions for WEB housing for sizes 1, 3, 6 and 8 with universal foot



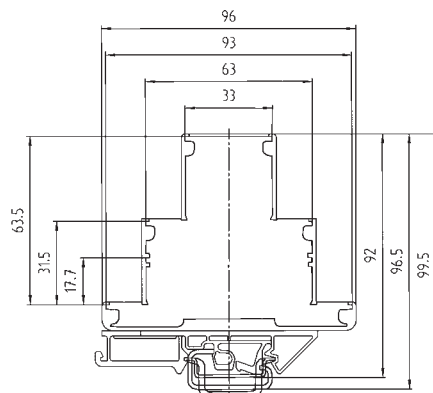
Dimensions of universal foot



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

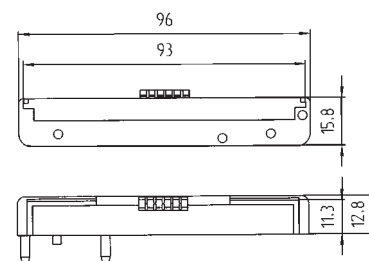
- Open modules can be snapped together to any length
- Complete custom design possible
- The modular design enables quick assembly
- High torsional rigidity due to the firm interconnection of the individual elements
- Can be snapped onto all 32/35 DIN rails using the universal foot



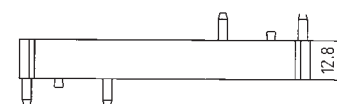
Housing: PA 6 GU30 UL 94-HB
Foot: PA 66 UL 94-V2

Variable x 96 x 33.5

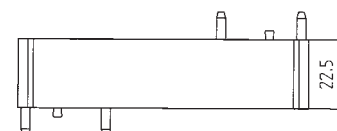
Variable x 96 x 33.5

[illegible]

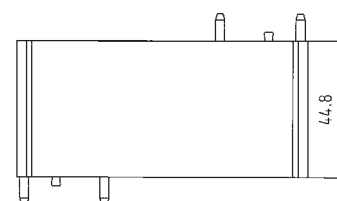
Width 12.8 mm	01.001.5593.0	50
---------------	---------------	----



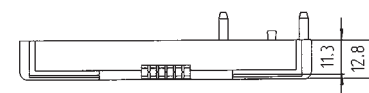
Width 12.8 mm 01.001.5853.0 50



Width 22.5 mm	01.001.5653.0	50
---------------	---------------	----

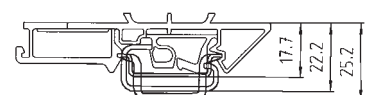


Width 44.8 mm	01.001.5753.0	50
---------------	---------------	----



01.001.5593.0 50

Universal foot



Width 23 mm	05.583.0053.0	50
-------------	---------------	----

Width 28 mm	00.000.0000.0	50
Width 68 mm	05.583.0153.0	50

(overall width from 70.4 mm)

Electronic housings WEB housing system

- 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

WEB 1002

Variable x 80 x 33.5



Technical drawing of the front view of a mechanical part. The drawing shows a complex profile with three vertical dimensions indicated on the right side: 17.7, 22.2, and 25.2.

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

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

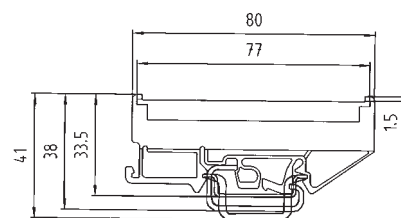
Foot: PA 66 UL 94-V2



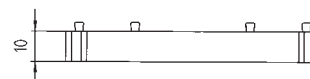
WEB 1002 with integrated U-Foot

Variable x 80 x 33.5

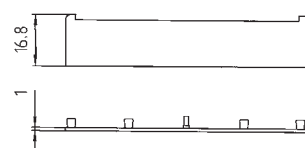
Dimensions (mm): W x H x D

[illegible]

Width 11 mm 01.001.6293.0 1



Width 10 mm	01.001.6553.0	50
-------------	---------------	----



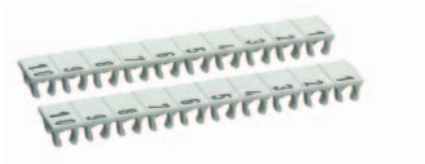
Width 1 mm	07.310.9653.0	50
------------	---------------	----

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
marked for 5 terminals (every 2nd tag)			unmarked			unmarked		
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
			marked*			marked*		
			9705 AB	04.842.0850.0	500	9705 A/5/10 B	04.842.5053.0	25
						with enlarged marking area		
						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!		
			Standard pack = 500 tags			Standard pack = 25 strips = 250 tags		
Marking tag carrier for WEB housings			Marking tag 8 digits Single tag			Marking strip 5 mm spacing		
	04.242.1050.0	200	unmarked			9705 A/5/9 B		
			9705 AL	04.242.1553.0	500		04.842.4953.0	25
			marked*			Marking on the strips: 1 ... 9		
			9705 ALB	04.842.1553.0	500	Standard pack = 25 strips = 225 tags		
			* Please indicate the required marking together with the part number!					
			Standard pack = 500 tags					

housing system



housing system