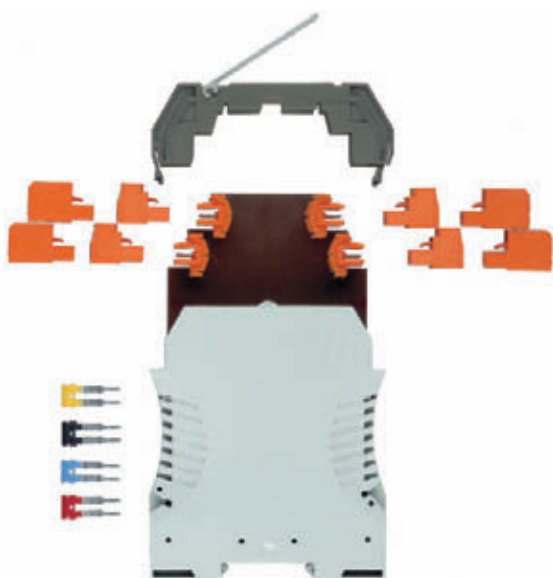


Electronics housings

Electronics housings	Overview	M.2
	Component housings – WAVEBOX	M.4
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Overview

WAVEBOX housing



The WAVEBOX accommodates modern electronic components and therefore creates a housing to match the function. That concerns both setting and operating functions as well as the technical requirements. This helps heat dissipation and EMC characteristics. Furthermore, the compact design saves space in the switching cabinet and cuts the cost of installation. In addition, ergonomics and design are becoming ever more important for high-quality electronic products. WAVEBOX has been designed to meet these criteria. What this means for customers is that the simple fabrication (e.g. wave soldering, SMD assembly) leads to considerable cost-savings.

WAVEBOX is characterised by:

- optimum component width (12.5 mm, 17.5 mm, 22.5 mm) to suit applications
- large component area, SMDs can be fitted on the solder side
- UL94 flammability rating V2
- installation without tools
- plug-in PCB
- plug-in cross-connection with ZQV 2.5 N
- hinged, transparent cover
- plug-in connection
- leaf spring or tension spring connection as required
- labelling option with WS tags
- can be clipped to TS 35 x 7.5 or TS 35 x 15.

Housing EG 1

This housing provides 4 screw connections over a width of 18 mm and, as accessories, up to 4 solder/spade connections 0.8 x 2.8 mm or 0.8 x 4.8 mm. The current bar of the screw terminal terminates inside the enclosure with a solder eyelet. Two end plates close off the component. Depending on type, the components are mounted side by side on TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails.

Housing EG 2

In terms of its external form, this is identical with type EG 1. The PCB, equipped with 4 screw connections or up to 8 spade connections 0.8 x 6.3 mm or 0.8 x 2.8 mm, is simply clipped into the enclosure by the customer. For mounting on TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails.

Housing EG 3

This housing provides 6 screw connections or 12 spade connections 0.8 x 6.3 mm or 0.8 x 2.8 mm over a width of 22.5 mm. As accessories, Weidmüller can supply a profiled PCB with holes on a 2.54 mm pitch or a complete copper lamination. The clip-in combination foot enables components to be mounted side by side on TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails. The MPL mounting plate is used when attaching the housing directly (without terminal rail). Thanks to the sliding foot design, the EG 3 housing can be rotated through 180° irrespective of the type of mounting (e.g. to exchange input and output).

Housing EG 4

Like the EG 3 housing, this is also 22.5 mm wide. The greater depth (75 mm) and the greater height (109 mm) permit more complex circuitry. The integral circuit can be connected via 6 screw connections. The clip-in combination foot enables components to be mounted side by side on TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails. Thanks to the sliding foot design, the EG 4 housing can be slid forward or back by 6 mm with respect to the combination foot and – rotated through 180° – reattached (e.g. to exchange input and output).

Housing EG 5

The external dimensions of this housing are identical with those of the EG 4 housing. Type EG 5 has 12 screw connections which are wired within the housing by means of solder eyelets. The clip-in combination foot enables components to be mounted side by side on TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails. Thanks to the sliding foot design, the EG 5 housing can be slid forward or back by 6 mm with respect to the combination foot and – rotated through 180° – reattached (e.g. to exchange input and output).

Miniature housing

The electronics housings of the DK 5, DK 6, MCZ and MHS/MHZ series are ideally suited to applications in miniature electronics. With a width of just 6.1 mm and open or closed designs, they nevertheless ensure maximum space and minimum losses. The housings are available with 5 or 6 fixed connections (screw or tension spring).

Installation housing in profile form – RS 70

Any number of adapters or adapter feet can be inserted and clipped together between two side pieces (clip-in feet). This creates a base module for a PCB to which various components can be soldered. The subassembly can be clipped to TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails.

Installation housing in profile form – RS 45, RS 80, RS 100

The RS 45, RS 80 and RS 100 are supplied as extruded profiles in 2 m lengths, which are easily cut to the desired length with a saw. This creates a base module for a PCB which various components can be soldered. The clip-in feet for clipping to TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails are inserted into these profiles. The sliding foot design of the RS 80 enables the clip-in foot to be rotated through 180°.

Housing in terminal form – WDK 2.5

This type of housing is suitable for housing electronic components with a maximum thickness of 4 mm. To this end, up to 4 independent clamping yoke connections or 4 spade connections 6.3 x 0.8 mm are available. The modular terminals can be mounted on TS 35 x 7.5 or TS 35 x 15 terminal rails.

Housing in terminal form – DK 4 und DKT 4

This type of housing is suitable for housing electronic components with a maximum thickness of 4.5 mm. To this end, up to 4 independent clamping yoke connections are available. A clip-on frame adds another 6 mm space to the DK 4 for accommodating further components. Depending on the type, the modular terminals can be mounted on TS 32, TS 35 x 7.5 or TS 35 x 15 terminal rails.

Component housings

WAVEBOX

A WAVEBOX 12.5 housing consists of:

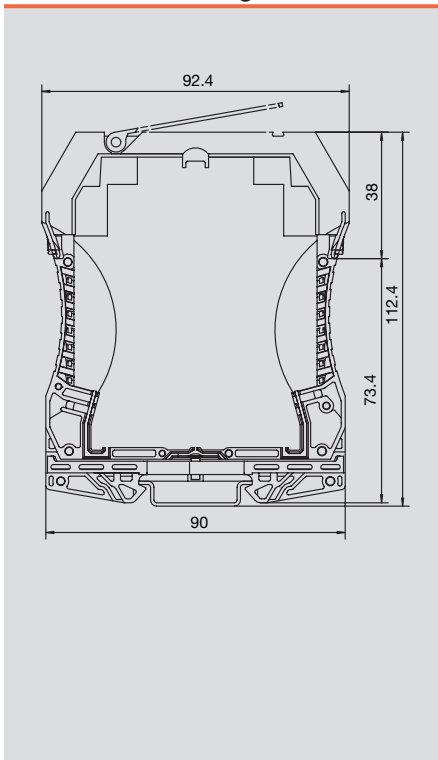
- 1 housing base part with clip-on foot,
- 1 top part,
- 4 male connectors,
- 1-4 female connectors.

Description

The male connectors (one left- and one right-hand version are used depending on the design) are soldered to the PCB and then clipped to the top part. This assembly is inserted into the base part; the integrated anti-twist protection guarantees a correct connection. Connections that are not required can be covered with a cap. The base of the housing is available in cross-connectable (cross-connector ZQV2.5N/2) and non-cross-connectable versions. Both clamping yoke and tension clamp connections are available for the socket connector, which can be coded by means of the coding elements. The hinged transparent top plate of the top part and the housing base part can be labelled with a laser. The top plate also permits easy access for calibration.

CAD drawings that ease the production of layouts and equipping of boards (details of blocked area, max. component heights, pads, etc.) are available on request.

Dimensioned drawing



Technical data

General data	
Dimensions W x L x H (w. TS35 x 7.5)	mm
Dimensions W x L x H (w. TS32)	
No. of connections	total
	left / right / top
Access for calibration	
Shielding	
Contact to the mounting rail	
Max. power loss	
Number of PCB per module	
PCB contacting	
Thickness of PCB	
Ingress protection class	
Tightening torque range	
Stripping length	
Pollution severity	
Flammability class UL 94	
Colour of insulating material	
Clampable conductors (H05V/H07V)	
Solid	mm²
Flexible	mm²
Max. conductor AWG	
Plug gauge to 60947-1	
Note	

WAVEBOX 12.5



12.5 / 92.4 / 112.4	
8	
4 / 4	
Movable top plate	
not available	
-	
2 W /40°C	
1	
soldered connection, directly	
1.0 (± 0.1) mm	
IP 20	
0.4...0.5 Nm	
2	
V2	
grey	
Clamp. yoke connection	Tension clamp connection
0.2...2.5	0.2...2.5
0.2...2.5	0.2...2.5
AWG 26...AWG 12	AWG 26...AWG 12
A3	

Ordering data

Individual parts	
Enclosure part with locking foot	cannot be cross-conn. can be cross-connected
Top part with transparent top plate mounted	
Pin block, 3-pole	orange, right orange, left
Pin block, 3-pole	beige, right beige, left
Pin block, 2-pole	orange, right orange, left
Socket block, clamp. yoke conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Socket block, tension clamp conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Information	

Accessories

Cross connection 2-pole (pluggable)	
	red
	blue
	yellow
Other accessories	
Coding element	orange black
Screw cap	

Type	Qty.	Order No.
WAVEBOX L 12.5	18	8426530000
WAVEBOX L 12.5 QV	18	8426540000
TOP UNIT L 12.5	18	8426550000
SL 5.08/2 OR R	100	8427390000
SL 5.08/2 OR L	100	8427400000
BLZ 5.08/2 SN OR	100	1526460000
BLZ 5.08/2 SN SW	100	1526410000
BLZF 5.08/2 SN OR	100	1707460000
BLZF 5.08/2 SN SW	100	1707690000

Type	Qty.	Order No.
ZQV 2.5N/2 RT	60	1717900000
ZQV 2.5N/2 BL	60	1717990000
ZQV 2.5N/2 GE	60	1693800000
BLZ KO OR	100	1573010000
BLZ KO SW	50	1545710000
CAP 2 WAVEBOX 12,5	20	8428130000

WAVEBOX

A WAVEBOX 17.5 housing consists of:

- 1 housing base part with clip-on foot,
- 1 top part,
- 4 male connectors,
- 1-4 female connectors.

Description

The male connectors (one left- and one right-hand version are used depending on the design) are soldered to the PCB and then clipped to the top part. This assembly is inserted into the base part; the integrated anti-twist protection guarantees a correct connection. Connections that are not required can be covered with a cap. The base of the housing is available in cross-connectable and non-cross-connectable versions. Both clamping yoke and tension clamp connections are available for the socket connector, which can be coded. The hinged transparent top plate of the top part and the housing base part can be labelled with a laser. The top plate also permits easy access for calibration.

CAD drawings that ease the production of layouts and equipping of boards (details of blocked area, max. component heights, pads, etc.) are available on request.

Technical data

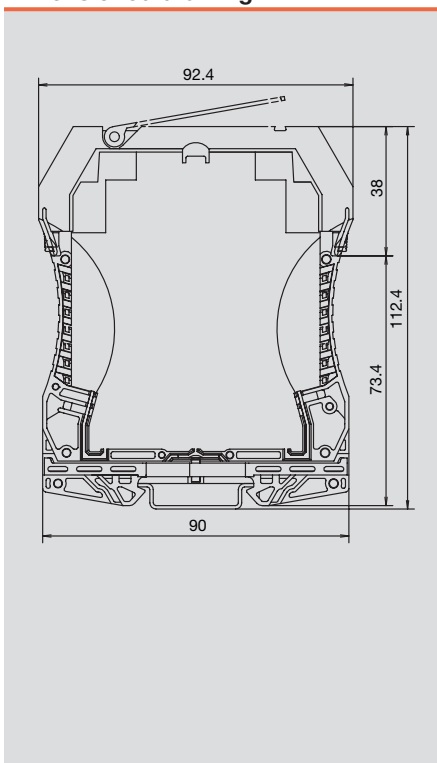
General data	
Dimensions W x L x H (w. TS35 x 7.5)	mm
Dimensions W x L x H (w. TS32)	
No. of connections	total
	left / right / top
Access for calibration	
Shielding	
Contact to the mounting rail	
Max. power loss	
Number of PCB per module	
PCB contacting	
Thickness of PCB	
Ingress protection class	
Tightening torque range	
Stripping length	
Pollution severity	
Flammability class UL 94	
Colour of insulating material	
Clampable conductors (H05V/H07V)	
Solid	mm ²
Flexible	mm ²
Max. conductor AWG	
Plug gauge to 60947-1	
Note	

WAVEBOX 17.5



17.5 / 92.4 / 112.4	
12	
6 / 6	
Movable top plate	
not available	
-	
2 W / 40°C	
1	
soldered connection, directly	
1.0 (± 0.1) mm	
IP 20	
0.4...0.5 Nm	
2	
V2	
grey	
Clamp. yoke connection	Tension clamp connection
0.2...2.5	0.2...2.5
0.2...2.5	0.2...2.5
AWG 26...AWG 12	AWG 26...AWG 12
A3	

Dimensioned drawing



Ordering data

Individual parts	
Enclosure part with locking foot	cannot be cross-conn. can be cross-connected
Top part with transparent top plate mounted	
Pin block, 3-pole	orange, right orange, left
Pin block, 3-pole	beige, right beige, left
Pin block, 2-pole	orange, right orange, left
Socket block, clamp. yoke conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Socket block, tension clamp conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Information	

Accessories

Cross connection 2-pole (pluggable)	
	red
	blue
	yellow
Other accessories	
Coding element	orange black
Screw cap	

Type	Qty.	Order No.
WAVEBOX L 17.5	12	8426560000
WAVEBOX L 17.5 QV	12	8426570000
TOP UNIT L 17.5	12	8426580000
SL 5.08/3 BE R	100	8449220000
SL 5.08/3 BE L	100	8449230000
BLZ 5.08/3 SN OR	100	1526560000
BLZ 5.08/3 SN SW	100	1526510000
BLZF 5.08/3 SN OR	100	1707470000
BLZF 5.08/3 SN SW	100	1707700000

Type	Qty.	Order No.
ZQV 2.5N/2 RT	60	1717900000
ZQV 2.5N/2 BL	60	1717990000
ZQV 2.5N/2 GE	60	1693800000
BLZ KO OR	100	1573010000
BLZ-KO SW	50	1545710000
CAP WAVEBOX L22,5/17,5	20	8428120000

Component housings

WAVEBOX

A WAVEBOX S 22.5 housing consists of:

- 1 housing base part with clip-on foot,
- 1 top part,
- 2 male connectors,
- 1-2 female connectors.

Description

The male connectors (one left- and one right-hand version are used depending on the design) are soldered to the PCB and then clipped to the top part. This assembly is inserted into the base part; the integrated anti-twist protection guarantees a correct connection. Connections that are not required can be covered with a cap. The base of the housing is available in cross-connectable and non-cross-connectable versions. Both clamping yoke and tension clamp connections are available for the socket connector, which can be coded. The hinged transparent top plate of the top part and the housing base part can be labeled with a laser. The top plate also permits easy access for calibration.

CAD drawings that ease the production of layouts and equipping of boards (details of blocked area, max. component heights, pads, etc.) are available on request.

Technical data

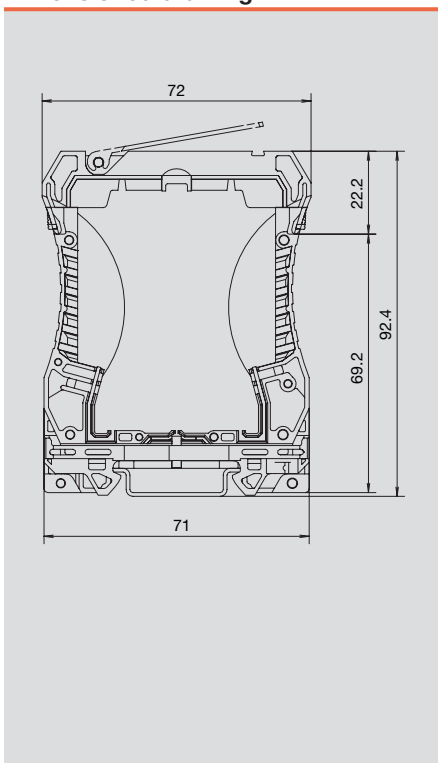
General data	
Dimensions W x L x H (w. TS35 x 7.5)	mm
Dimensions W x L x H (w. TS32)	
No. of connections	total
	left / right / top
Access for calibration	
Shielding	
Contact to the mounting rail	
Max. power loss	
Number of PCB per module	
PCB contacting	
Thickness of PCB	
Ingress protection class	
Tightening torque range	
Stripping length	
Pollution severity	
Flammability class UL 94	
Colour of insulating material	
Clampable conductors (H05V/H07V)	
Solid	mm ²
Flexible	mm ²
Max. conductor AWG	
Plug gauge to 60947-1	
Note	

WAVEBOX S 22.5



22.5 / 72 / 92.4	
6	
3 / 3	
Movable top plate	
not available	
-	
2 W /40°C	
1	
soldered connection, directly	
1.0 (± 0.1) mm	
IP 20	
0.4...0.5 Nm	
2	
V2	
grey	
Clamp. yoke connection	Tension clamp connection
0.2...2.5	0.2...2.5
0.2...2.5	0.2...2.5
AWG 26...AWG 12	AWG 26...AWG 12
A3	

Dimensioned drawing



Ordering data

Individual parts	
Enclosure part with locking foot	cannot be cross-conn. can be cross-connected
Top part with transparent top plate mounted	
Pin block, 3-pole	orange, right orange, left
Pin block, 3-pole	beige, right beige, left
Pin block, 2-pole	orange, right orange, left
Socket block, clamp. yoke conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Socket block, tension clamp conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Information	

Type	Qty.	Order No.
WAVEBOX S 22.5	10	8426440000
WAVEBOX S 22.5 QV	10	8426450000
TOP UNIT S 22.5	10	8426460000
SL 5.08/3 OR R	100	8426620000
SL 5.08/3 OR L	100	8426630000
BLZ 5.08/3 SN OR	100	1526560000
BLZ 5.08/3 SN SW	100	1526510000
BLZF 5.08/3 SN OR	100	1707470000
BLZF 5.08/3 SN SW	100	1707700000

Accessories

Cross connection 2-pole (pluggable)	
	red
	blue
	yellow
Other accessories	
Coding element	orange black
Screw cap	

Type	Qty.	Order No.
ZQV 2.5N/2 RT	60	1717900000
ZQV 2.5N/2 BL	60	1717990000
ZQV 2.5N/2 GE	60	1693800000
BLZ KO OR	100	1573010000
BLZ-KO SW	50	1545710000
CAP WAVEBOX L22,5/17,5	20	8428120000

WAVEBOX

A WAVEBOX L 22.5 housing consists of:

- 1 housing base part with clip-on foot,
- 1 top part,
- 4 male connectors,
- 1-4 female connectors.

Description

The male connectors (one left- and one right-hand version are used depending on the design) are soldered to the PCB and then clipped to the top part. This assembly is inserted into the base part; the integrated anti-twist protection guarantees a correct connection. Connections that are not required can be covered with a cap. The base of the housing is available in cross-connectable and non-cross-connectable versions. Both clamping yoke and tension clamp connections are available for the socket connector, which can be coded. The hinged transparent top plate of the top part and the housing base part can be labeled with a laser. The top plate also permits easy access for calibration.

CAD drawings that ease the production of layouts and equipping of boards (details of blocked area, max. component heights, pads, etc.) are available on request.

Technical data

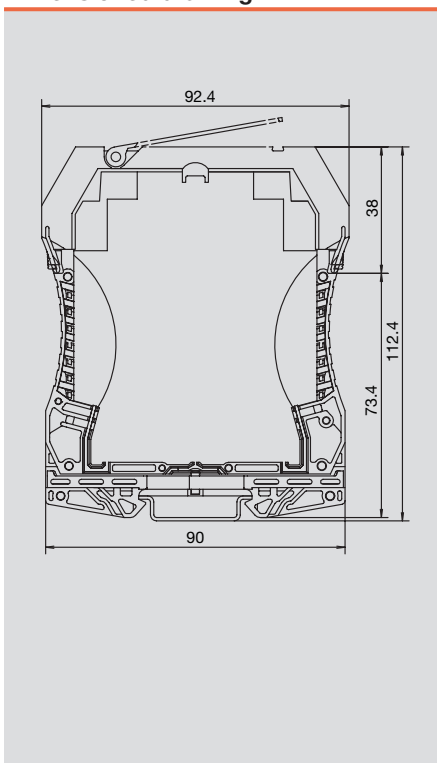
General data	
Dimensions W x L x H (w. TS35 x 7.5)	mm
Dimensions W x L x H (w. TS32)	
No. of connections	total
	left / right / top
Access for calibration	
Shielding	
Contact to the mounting rail	
Max. power loss	
Number of PCB per module	
PCB contacting	
Thickness of PCB	
Ingress protection class	
Tightening torque range	
Stripping length	
Pollution severity	
Flammability class UL 94	
Colour of insulating material	
Clampable conductors (H05V/H07V)	
Solid	mm ²
Flexible	mm ²
Max. conductor AWG	
Plug gauge to 60947-1	
Note	

WAVEBOX L 22.5



22.5 / 92.4 / 112.4	
12	
6 / 6	
Movable top plate	
not available	
-	
2 W / 40°C	
1	
soldered connection, directly	
1.0 (± 0.1) mm	
IP 20	
0.4...0.5 Nm	
2	
V2	
grey	
Clamp. yoke connection	Tension clamp connection
0.2...2.5	0.2...2.5
0.2...2.5	0.2...2.5
AWG 26...AWG 12	AWG 26...AWG 12
A3	

Dimensioned drawing



Ordering data

Individual parts	
Enclosure part with locking foot	cannot be cross-conn. can be cross-connected
Top part with transparent top plate mounted	
Pin block, 3-pole	orange, right orange, left
Pin block, 3-pole	beige, right beige, left
Pin block, 2-pole	orange, right orange, left
Socket block, clamp. yoke conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Socket block, tension clamp conn.	orange, 3-pole black, 3-pole orange, 2-pole black, 2-pole
Information	

Accessories

Cross connection 2-pole (pluggable)	
	red
	blue
	yellow
Other accessories	
Coding element	orange black
Screw cap	

Type	Qty.	Order No.
WAVEBOX L 22.5	10	8426470000
WAVEBOX L 22.5 QV	10	8426480000
TOP UNIT L 22.5	10	8426490000
SL 5.08/3 OR R	100	8426620000
SL 5.08/3 OR L	100	8426630000
BLZ 5.08/3 SN OR	100	1526560000
BLZ 5.08/3 SN SW	100	1526510000
BLZF 5.08/3 SN OR	100	1707470000
BLZF 5.08/3 SN SW	100	1707700000

Type	Qty.	Order No.
ZQV 2.5N/2 RT	60	1717900000
ZQV 2.5N/2 BL	60	1717990000
ZQV 2.5N/2 GE	60	1693800000
BLZ KO OR	100	1573010000
BLZ-KO SW	50	1545710000
CAP WAVEBOX L22,5/17,5	20	8428120000

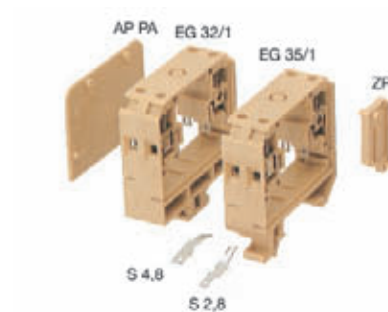
EG

An EG1 housing kit consists of:

- 1 housing frame with clamping yoke units and foot,
- 2 end plates.

Push-on solder lugs are available if required.

EG 1



Technical data

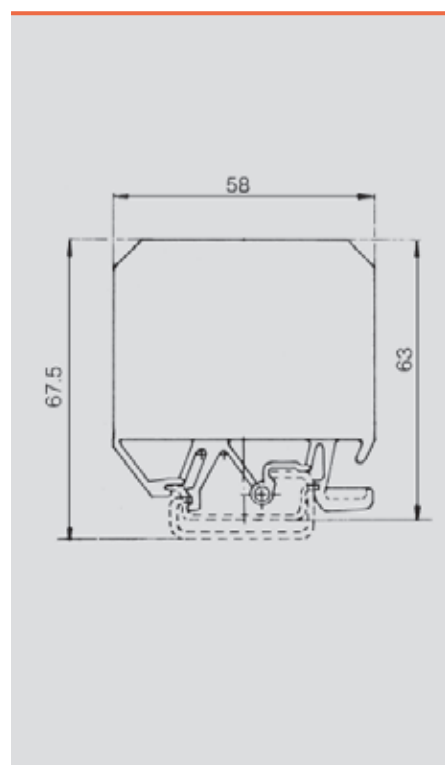
General data		
Dimensions W x L x H (w. TS35 x 7.5)	mm	18 / 58 / 63
Dimensions W x L x H (w. TS32)		18 / 58 / 67.5
No. of connections	total	4
	left / right / top	2 / 2
Access for calibration		-
Shielding		not available
Contact to the mounting rail		-
Max. power loss		1 W
Number of PCB per module		1
PCB-connection		soldered connection, via wire
Thickness of PCB		1.0 (+ 0.2) mm
Ingress protection class		IP 20
Tightening torque range		0.5...1.0 Nm
Stripping length		-
Pollution severity		2
Flammability class UL 94		V2
Colour of insulating material		beige
Clampable conductors (H05V/H07V)		Clamp. yoke connection
Solid	mm²	0.5...4
Flexible	mm²	0.5...2.5
Max. conductor AWG		AWG 20...AWG 12
Plug gauge to 60947-1		
Information		

Ordering data

Individual parts		Type	Qty.	Order No.
Housing frame	without foot	EG 35/1 OHNE AP MONT.	25	0453860000
	w. foot for TS35	EG 32/1 OHNE AP MONT.	25	0453560000
Locking combination foot				
Mounting plate for direct mounting				
End plate		AP EG32/EG35	20	0453660000
Clamp. yoke unit				
	right			
	left			
Intermediate plate		ZP EG 32/EG 35	50	0453760000
Connection spigot		VBZA F.EG	50	0510260000
Flat connector lug				
	0.8 x 6.3mm			
	2 x 0.8 x 6.3mm	LOETFHNE 2.8MM F.EG	50	0475800000
	0.8 x 2.8mm	LOETFHNE 4.9MM F. EG	50	0475700000
	0.8 x 4.8mm			
Information				

Accessories

Type	Qty.	Order No.



Component housings

EG

An EG2 housing kit consists of:

- 1 housing frame with combination foot,
- 1-2 clamping yoke units,
- 2 end plates.

Push-on solder lugs are available if required.

Technical data

General data		
Dimensions W x L x H (w. TS35 x 7.5)	mm	20 / 58 / 63
Dimensions W x L x H (w. TS32)		20 / 58 / 67.5
No. of connections	total	4
	left / right / top	2 / 2
Access for calibration		
Shielding		not available
Contact to the mounting rail		-
Max. power loss		1 W
Number of PCB per module		1
PCB-connection		soldered connection, directly
Thickness of PCB		1.0 (+ 0.2) mm
Ingress protection class		IP 20
Tightening torque range		0.4...0.8 Nm
Stripping length		
Pollution severity		2
Flammability class UL 94		V2
Colour of insulating material		beige
Clampable conductors (H05V/H07V)		Clamp. yoke connection
Solid	mm²	0.5...4
Flexible	mm²	0.5...2.5
Max. conductor AWG		AWG 20...AWG 12
Plug gauge to 60947-1		
Information		

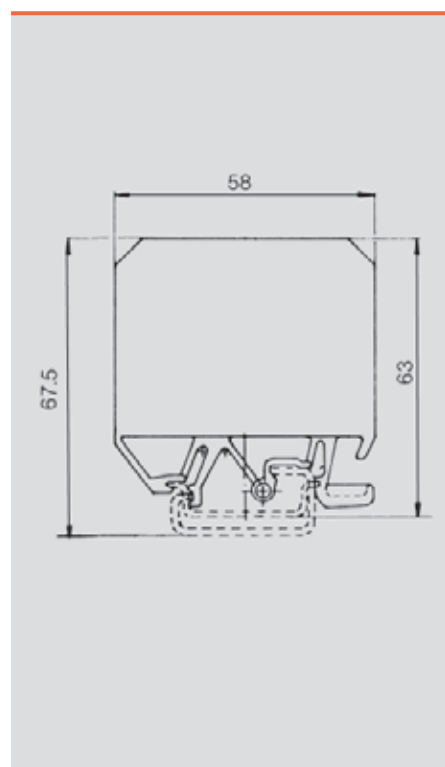
Ordering data

Individual parts		Type	Qty.	Order No.
Housing frame	without foot			
	w. foot for TS35	GH EG2/EN A.1 O.BOHR.	25	0508860000
	w. foot for TS32	GH EG2/EN A.1 O.BOHR.	25	0508860000
Locking combination foot				
Mounting plate for direct mounting				
End plate		AP EG32/EG35	20	0453660000
Clamp. yoke unit	right	ZBE EG/2 AUSF.RECHTS	20	0495960000
	left	ZBE EG/2 AUSF.LINKS	20	0495860000
Intermediate plate		ZP EG 32/EG 35	50	0453760000
Connection spigot		VBZA F.EG	50	0510260000
Flat connector lug	0.8 x 6.3mm	STFA 2.8/2 EG2	100	0496100000
	2 x 0.8 x 6.3mm	STFA EG3	50	0163500000
	0.8 x 2.8mm			
	0.8 x 4.8mm			
Information				

Accessories

Type	Qty.	Order No.

EG 2



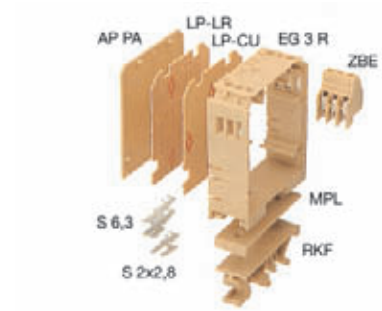
EG

An EG3 housing kit consists of:

- 1 housing frame,
- 1 combination foot or 1 mounting plate,
- 1-2 clamping yoke units,
- 2 end plates.

Connection tabs for push-on connections are available if required.

EG 3



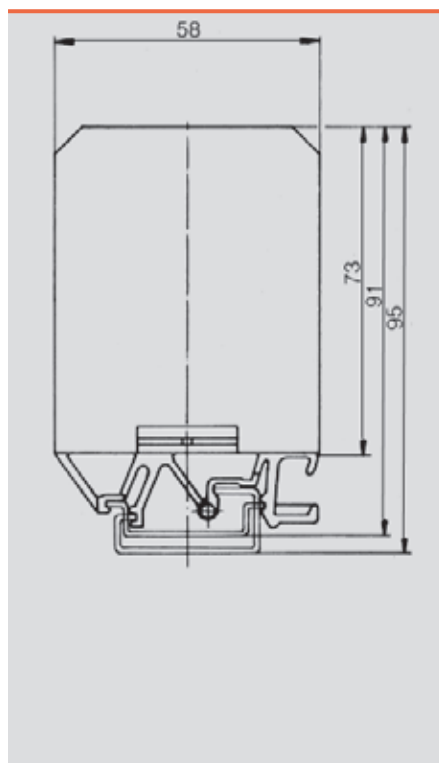
Technical data

General data		
Dimensions W x L x H (w. TS35 x 7.5)	mm	22.5 / 58 / 91
Dimensions W x L x H (w. TS32)		22.5 / 58 / 95
No. of connections	total	6
	left / right / top	3 / 3
Access for calibration		
Shielding		not available
Contact to the mounting rail		-
Max. power loss		1.5 W
Number of PCB per module		1
PCB-connection		soldered connection, via wire
Thickness of PCB		1.0 (+ 0.2) mm
Ingress protection class		IP 20
Tightening torque range		0.4...0.8 Nm
Stripping length		
Pollution severity		2
Flammability class UL 94		V2
Colour of insulating material		beige
Clampable conductors (H05V/H07V)		Clamp. yoke connection
Solid	mm ²	0.5...4
Flexible	mm ²	0.5...2.5
Max. conductor AWG		AWG 20...AWG 12
Plug gauge to 60947-1		
Information		

Ordering data

Individual parts		Type	Qty.	Order No.
Housing frame	without foot	GH EG3 A.1 M.1 BOHR. BE	25	0163960000
	w. foot for TS35			
	w. foot for TS32			
Locking combination foot		RKF EG3 BE	20	0163860000
Mounting plate for direct mounting		MP EG3/DB BE	50	0158560000
End plate		AP EG3	20	0133760000
Clamp. yoke unit	right	ZBE EG 3	50	0138360000
	left	ZBE EG 3	50	0138360000
Intermediate plate				
Connection spigot		VBZA F.EG	50	0510260000
Flat connector lug	0.8 x 6.3mm	STFA 2.8/2 EG2	100	0496100000
	2 x 0.8 x 6.3mm	STFA EG3	50	0163500000
	0.8 x 2.8mm			
	0.8 x 4.8mm			
Information				

Accessories

[illegible]

Component housings

EG

An EG4 housing kit consists of:

- 1 housing frame,
- 1 combination foot or 1 mounting plate,
- 1-2 clamping yoke units,
- 2 end plates.

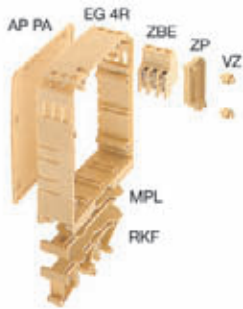
Larger housings are easily assembled: the intermediate plate (ZP) and the connecting pin (VZ) enable 2 or more housings to be mechanically joined together. The ZP joins together the housing frames in the area of the clamping yoke unit and the VZ at the bottom of the frame. The snap-on combination foot or the mounting plate enables the housing to be mounted on the rail or directly.

Technical data

General data		
Dimensions W x L x H (w. TS35 x 7.5)	mm	22.5 / 75 / 109
Dimensions W x L x H (w. TS32)		22.5 / 75 / 113
No. of connections	total	6
	left / right / top	3 / 3
Access for calibration		
Shielding		not available
Contact to the mounting rail		-
Max. power loss		1.6 W
Number of PCB per module		1
PCB-connection		soldered connection, via wire
Thickness of PCB		1.0 (+ 0.2) mm
Ingress protection class		IP 20
Tightening torque range		0.4...0.8 Nm
Stripping length		
Pollution severity		2
Flammability class UL 94		V2
Colour of insulating material		beige
Clampable conductors (H05V/H07V)		
Solid	mm ²	0.5...4
Flexible	mm ²	0.5...2.5
Max. conductor AWG		AWG 22...AWG 12
Plug gauge to 60947-1		

Information

EG 4



Clamp. yoke connection		
		0.5...4
		0.5...2.5
		AWG 22...AWG 12

Ordering data

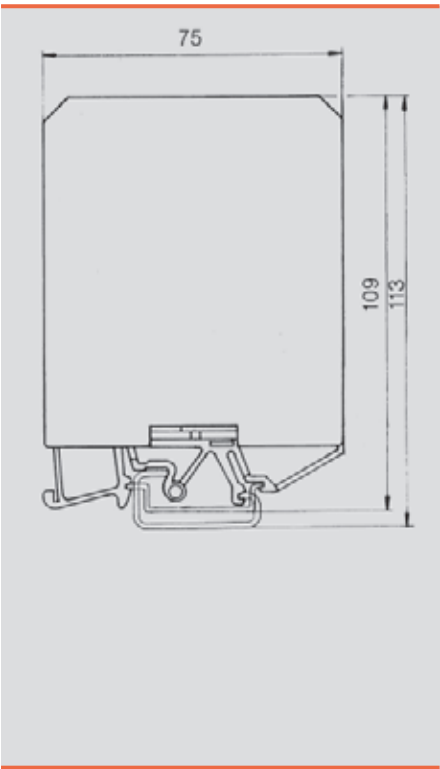
Individual parts		
Housing frame	without foot	
	w. foot for TS35	
	w. foot for TS32	
Locking combination foot		
Mounting plate for direct mounting		
End plate		
Clamp. yoke unit	right	
	left	
Intermediate plate		
Connection spigot		
Flat connector lug	0.8 x 6.3mm	
	2 x 0.8 x 6.3mm	
	0.8 x 2.8mm	
	0.8 x 4.8mm	

Information

Accessories

Type	Qty.	Order No.
GH EG4 A.1 O.BOHR.	20	1116560000
WECHSELFUSS F.EG 4+5	20	1116260000
MONTAGEPLATTE F.EG 4+5	50	1116360000
AP EG4	20	1116060000
ZBE EG 3	50	0138360000
ZBE EG 3	50	0138360000
ZP EG 32/EG 35	50	0453760000
VBZA F.EG	50	0510260000

Type	Qty.	Order No.
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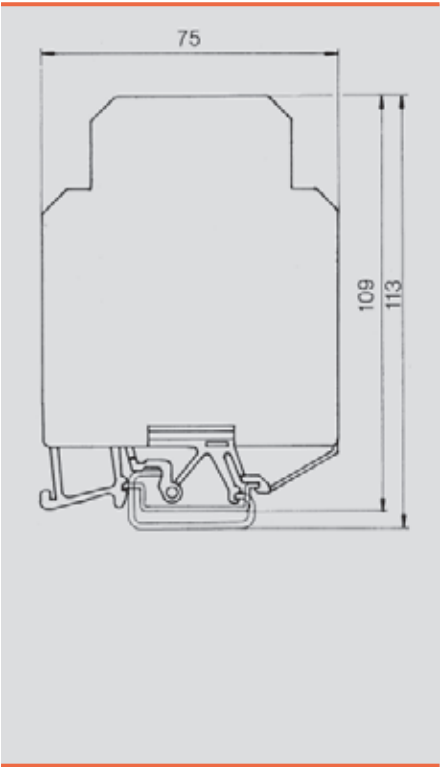


EG

An EG5 housing consists of:

- 1 housing frame,
- 1 combination foot or 1 mounting plate,
- 1-4 clamping yoke units,
- 2 end plates.

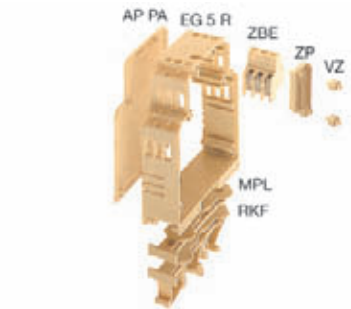
Larger housings are easily assembled: the intermediate plate (ZP) and the connecting pin (VZ) enable 2 or more housings to be mechanically joined together. The ZP joins together the housing frames in the area of the clamping yoke unit and the VZ at the bottom of the frame. The snap-on combination foot or the mounting plate enables the housing to be mounted on the rail or directly.



Technical data

General data		
Dimensions W x L x H (w. TS35 x 7.5)	mm	22.5 / 75 / 109
Dimensions W x L x H (w. TS32)		22.5 / 75 / 113
No. of connections	total	12
	left / right / top	6 / 6
Access for calibration		-
Shielding		not available
Contact to the mounting rail		-
Max. power loss		1.6 W
Number of PCB per module		1
PCB-connection		soldered connection, via wire
Thickness of PCB		1.0 (+ 0.2) mm
Ingress protection class		IP 20
Tightening torque range		0.4...0.8 Nm
Stripping length		-
Pollution severity		2
Flammability class UL 94		V2
Colour of insulating material		beige
Clampable conductors (H05V/H07V)		
Solid	mm²	0.5...4
Flexible	mm²	0.5...2.5
Max. conductor AWG		AWG 22...AWG 12
Plug gauge to 60947-1		
Information		

EG 5



Clamp. yoke connection		
		0.5...4
		0.5...2.5
		AWG 22...AWG 12
Information		

Ordering data

Individual parts		
Housing frame	without foot	
	w. foot for TS35	
	w. foot for TS32	
Locking combination foot		
Mounting plate for direct mounting		
End plate		
Clamp. yoke unit	right	
	left	
Intermediate plate		
Connection spigot		
Flat connector lug	0.8 x 6.3mm	
	2 x 0.8 x 6.3mm	
	0.8 x 2.8mm	
	0.8 x 4.8mm	
Information		

Type	Qty.	Order No.
GH EG5 A.1 O.Bohr.	20	1116860000
WECHSELFUSS F.EG 4+5	20	1116260000
MONTAGEPLATTE F.EG 4+5	50	1116360000
AP EG5	20	1116160000
ZBE EG 3	50	0138360000
ZBE EG 3	50	0138360000
ZP EG 32/EG 35	50	0453760000
VBZA F.EG	50	0510260000
Information		

Accessories

Accessories		
Information		

Type	Qty.	Order No.
Information		

RS 70

Chassis Form:

Rail-mounted version

- 1 clip-on foot left,
- 1 clip-on foot right,
- 1 or more intermediate pieces,
- 1 clip-on foot centre if required.

Description

Height: TS32 = 33.5 mm, TS35x7.5 = 29 mm

Dimensions of PCB:

Thickness: 1.6 (± 0.2) mm

Length: 67.8 (- 0.2) mm

Width of intermediate piece = PCB width - 2x9mm (snap-on feet)

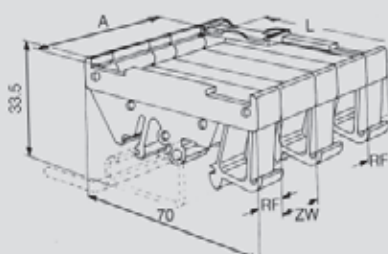
Example:

PCB width = 68 mm

Width of intermediate piece = 50 mm

Intermediate piece 2x ZW 25 RS or

ZW 45 RS + ZW 5 RS

Dimensioned drawing**Technical data****General data**

Shielding
Contact to the mounting rail
Max. power loss
Number of PCB per module
Thickness of PCB
Ingress protection class
Flammability class UL 94
Colour of insulating material

RS 70**Note****Ordering data****Extruded profile**

2000 mm orange
2000 mm grey
1000 mm grey
155 mm orange

Intermediate piece

5 mm
15 mm
25 mm
30 mm
45 mm

End plate w. locking foot

Without cover grey, left version
grey, right-hand version

Locking foot

orange
grey
With marking facilities left version
right version
Without marking facilities left version
right version
Central intermediate foot

End plate for direct mounting

Without cover grey, left version
grey, right-hand version
orange
grey
For medium-high cover profile orange
grey
For high cover profile orange
grey

End plate for mounting rail installation

Without cover orange
grey
For medium-high cover profile orange
grey
For high cover profile orange
grey

Cover profile medium-high
high

Screws

Note**Type Qty. Order No.**

ZW 5 RS OR 20 0119760000
ZW 15 RS OR 20 0119860000
ZW 25 RS OR 20 0126160000
ZW 30 RS OR 20 0119960000
ZW 45 RS OR 20 0120060000

RF RS 70 RE/A3/M.BEZ 20 0119560000
RF RS 70 LI/A2/O.SG 20 0119660000
RF RS 70 RE/A4/O.BEZ 20 0126260000
RF RS 70 MI/A6 20 0213760000

Installation housings in profile form

RS 80

Chassis plus 4 screws available in two versions::

Rail-mounted version

- 2 end plates for rail mounting,
- 2 or more clip-on feet,
- 1 extruded profile,
- 1 cover profile (if required).

Direct-mount version

- 2 end plates for direct mounting,
- 1 extruded profile,
- 1 cover profile (if required).

Description

3 heights are available for cover profile and end plates:

Rail mounting without cover:

TS32 = 45 mm, TS35x7.5 = 40.5 mm

Rail mounting with low cover:

TS32 = 72 mm, TS35x7.5 = 67.5 mm

Rail mounting with high cover:

TS32 = 91 mm, TS35x7.5 = 86.5 mm

Direct mounting without/low/high cover:

17 / 44 / 63 mm

Dimensions of PCB

Thickness: 1.6 (±0.2) mm, width: 67.8 (+0.2) mm

Size of RS segment = PCB length - 4.5 mm

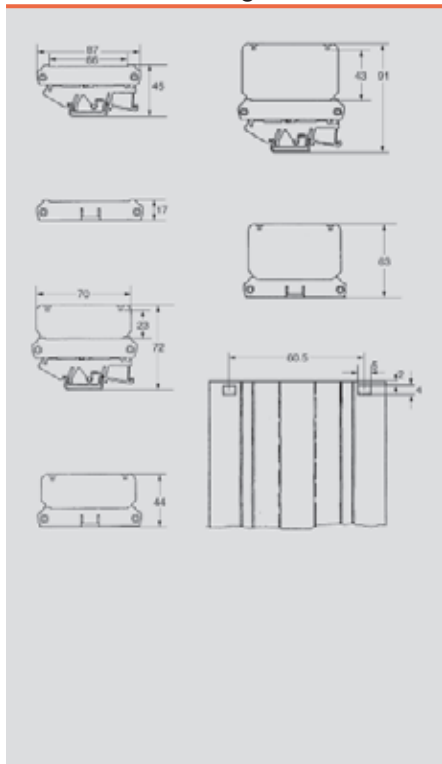
Size of ADP segment = PCB length - 2 mm

Example:

PCB length 160 mm

RS = 155.5 mm, ADP = 158 mm

Dimensioned drawing



Technical data

General data

Shielding
Contact to the mounting rail
Max. power loss
Number of PCB per module
Thickness of PCB
Ingress protection class
Flammability class UL 94
Colour of insulating material

Note

Ordering data

Extruded profile

2000 mm	orange
2000 mm	grey
1000 mm	grey
155 mm	orange

Intermediate piece

5 mm
15 mm
25 mm
30 mm
45 mm

End plate w. locking foot

Without cover	grey, left version
	grey, right-hand version

Locking foot

	orange
	grey
With marking facilities	left version
	right version
Without marking facilities	left version
	right version
Central	intermediate foot

End plate for direct mounting

Without cover	grey, left version
	grey, right-hand version
	orange
	grey
For medium-high cover profile	orange
	grey
For high cover profile	orange
	grey

End plate for mounting rail installation

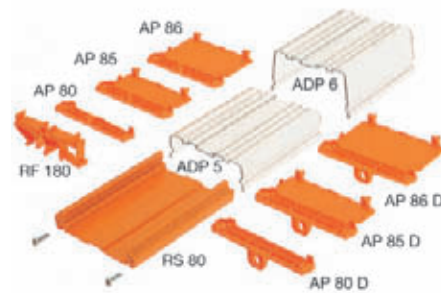
Without cover	orange
	grey
For medium-high cover profile	orange
	grey
For high cover profile	orange
	grey

Cover profile	medium-high
	high

Screws

Note

RS 80



Shielding	-
Contact to the mounting rail	-
Max. power loss	1
Number of PCB per module	1.6 (± 0.2) mm
Thickness of PCB	
Ingress protection class	V2
Flammability class UL 94	orange
Colour of insulating material	

Note	
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Type	Qty.	Order No.
PF RS 80 OR 2000MM	2	4157440000
PF RS 80 GR 2000MM	2	4183130000
AP RF80 LI	20	8156210000
AP RF80 RE	20	8156200000
RF 180	20	1324460000
RF 180 GR	20	1773400000
AP 80 D	20	1324360000
AP 85 D	20	1411060000
AP 86 D	20	1411160000
AP 80	20	1324260000
AP 80	20	8320300000
AP 85	20	1410860000
AP 86	20	1410960000
ADP 5	1	4167150000
ADP 6	1	4167160000
LKSC M2,9x13VZ	100	4011200000
Other lengths on request		

RS 100

Chassis plus 4 screws available in two versions:

Rail-mounted version

- 2 end plates for rail mounting,
- 2 or more clip-on feet,
- 1 extruded profile,
- 1 cover profile (if required).

Direct-mount version

- 2 end plates for direct mounting,
- 1 extruded profile,
- 1 cover profile (if required).

Description

3 heights are available for cover profile and end plates:

Rail mounting without cover:

TS32 = 45 mm, TS35x7.5 = 40.5 mm

Rail mounting with low cover:

TS32 = 89 mm, TS35x7.5 = 84.5 mm

Rail mounting with high cover:

TS32 = 121 mm, TS35x7.5 = 116.5 mm

Direct mounting without/low/high cover:

24 / 69 / 99 mm

Dimensions of PCB

Thickness: 1.6 (±0.2) mm, width: 100 (+0.5) mm

Size of RS segment = PCB length - 4.5 mm

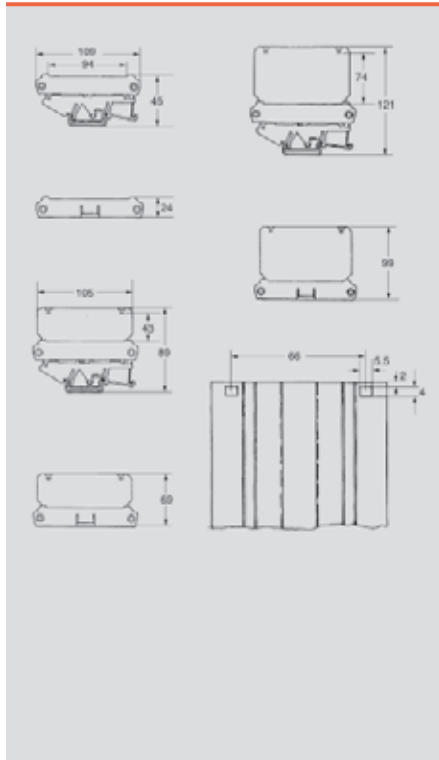
Size of ADP segment = PCB length - 1 mm

Example:

PCB length 160 mm,

RS = 155.5 mm, ADP = 159 mm

Dimensioned drawing



Technical data

General data

Shielding	
Contact to the mounting rail	-
Max. power loss	
Number of PCB per module	1
Thickness of PCB	1.6 (± 0.2) mm
Ingress protection class	
Flammability class UL 94	V2
Colour of insulating material	orange

Note

Ordering data

Extruded profile

2000 mm	orange
2000 mm	grey
1000 mm	grey
155 mm	orange

Intermediate piece

5 mm
15 mm
25 mm
30 mm
45 mm

End plate w. locking foot

Without cover	grey, left version
	grey, right-hand version

Locking foot

	orange
	grey
With marking facilities	left version
	right version
Without marking facilities	left version
	right version
Central	intermediate foot

End plate for direct mounting

Without cover	grey, left version
	grey, right-hand version
	orange
	grey
For medium-high cover profile	orange
	grey
For high cover profile	orange
	grey

End plate for mounting rail installation

Without cover	orange
	grey
For medium-high cover profile	orange
	grey
For high cover profile	orange
	grey

Cover profile

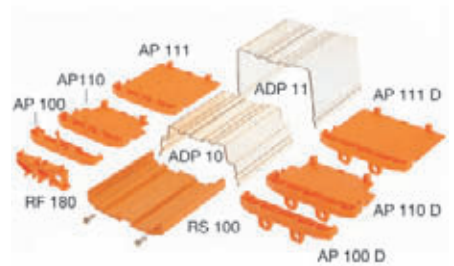
	medium-high
	high

Screws

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Note

RS 100



Type	Qty.	Order No.
PF RS 100 OR 2000MM A.1	2	4144870000
PF RS 100 GR 2000MM A.1	2	4010870000
PF RS 100 A.1 OR 155,5	25	4148400000
RF 180	20	1324460000
RF 180 GR	20	1773400000
AP 100 D	20	1185160000
AP 110 D	10	1185360000
AP 111 D	10	1185560000
AP 100	20	1185060000
AP 110	10	1185260000
AP 111	10	1185460000
ADP 10	2	4169320000
ADP 11	2	4169330000
PTSC KB40X14	100	4019420000
Other lengths on request		

WDK2.5/D



Technical data

General data	
Dimensions W x L x H (w. TS35 x 7.5)	mm
Dimensions W x L x H (w. TS32)	mm
No. of connections	total left / right / top
Access for calibration	
Shielding	
Contact to the mounting rail	
Max. power loss	
Number of PCB per module	
PCB-connection	
Thickness of PCB	
Ingress protection class	
Tightening torque range	
Stripping length	
Pollution severity	
Flammability class UL 94	
Colour of insulating material	
Clampable conductors (H05V/H07V)	
Solid	mm ²
Flexible	mm ²
Max. conductor AWG	
Plug gauge to 60947-1	

Information

Ordering data

Individual parts	
For mounting rail TS35	with connection element for connection element
	for mounting rail contact, for connection element
For mounting rail TS32	with connection element
Frame for TS35	
Frame for TS35	for connection element
Frame for TS32	
Top part	open closed
Current bars (w. tension clamp)	short version long version
Current bars	horizontal vertical
Clamp. yoke unit	clamp. yoke + screw
Screw	
Clamping yoke	
Mounting rail contact	current bar spring
Housing cover	
Information	

Accessories

Information

WDK2.5/D

Screw connection



WDK2.5/D/3

Screw connection

5.1 / 69 / 63	
4	
2 / 2	
not available	
-	
IP 20	
0.4...0.6 Nm	
10 mm	
3	
V-0	
dark beige	
Screw connection	Tension clamp connection
0.2...4	
0.2...2.5	
AWG 26...AWG 12	
A3	

Separated lower current bar

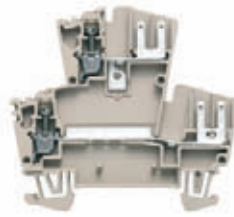
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Type	Qty.	Order No.
WAP WDK2.5	20	1059100000
WAP WDK2.5 BL	20	1059180000
WAP WDK2.5 GN	20	1059140000

WDK 2.5 F

WDK 2.5 F

Screw/spade connection



WDK 2.5 FF

Spade connection



Technical data

General data			
Dimensions W x L x H (w. TS35 x 7.5)	mm	5.1 / 69.5 / 63	5.1 / 75.5 / 63
Dimensions W x L x H (w. TS32)	mm		
No. of connections	total	4	4
	left / right / top	2 / 2	2 / 2
Access for calibration			
Shielding		not available	not available
Contact to the mounting rail		-	-
Max. power loss			
Number of PCB per module			
PCB-connection			
Thickness of PCB			
Ingress protection class			
Tightening torque range		0.4...0.6 Nm	0.4...0.6 Nm
Stripping length		10 mm	10 mm
Pollution severity		3	3
Flammability class UL 94		V-0	V-0
Colour of insulating material		dark beige	dark beige
Clampable conductors (H05V/H07V)		Screw connection	Tension clamp connection
Solid	mm ²	0.5...4	0.5...4
Flexible	mm ²	0.5...2.5	0.5...2.5
Max. conductor AWG		AWG 26...AWG 12	
Plug gauge to 60947-1		A3	
Information		Spade connector on one side	
		Spade connector both sides	

Ordering data

Individual parts		Type	Qty.	Order No.	Type	Qty.	Order No.
For mounting rail TS35	with connection element	WDK 2.5 F	100	1021600000	WDK 2.5 FF	100	1021700000
	for connection element						
	for mounting rail contact, for connection element						
For mounting rail TS32	with connection element						
Frame for TS35		WZR WDK2.5	20	1074000000	WZR WDK2.5	20	1074000000
Frame for TS35	for connection element						
Frame for TS32							
Top part	open						
	closed						
Current bars (w. tension clamp)	short version						
	long version						
Current bars	horizontal						
	vertical						
Clamp. yoke unit	clamp. yoke + screw						
Screw							
Clamping yoke							
Mounting rail contact	current bar						
	spring						
Housing cover							
Information							

Accessories

End plate		Type	Qty.	Order No.	Type	Qty.	Order No.
		WAP WDK2.5	20	1059100000	WAP WDK2.5	20	1059100000
		WAP WDK2.5 BL	20	1059180000	WAP 16+35 WTW 2.5-10	20	1050100000
		WAP WDK2.5 GN	20	1059140000	WAP 16+35 WTW 2.5-10 BL	20	1050180000
Information							

Housings in terminal form

DKT 4

Disconnect terminal

with or without separated current bar for TS35

DKT 4

without separated current bar



DKT 4 GTSE

with separated current bar



Technical data

General data					
Dimensions W x L x H (w. TS35 x 7.5)	mm	6 / 65 / 56.5		6 / 65 / 56.5	
Dimensions W x L x H (w. TS32)	mm				
No. of connections	total	4		4	
	left / right / top	2 / 2		2 / 2	
Access for calibration					
Shielding		not available		not available	
Contact to the mounting rail		-		-	
Max. power loss					
Number of PCB per module					
PCB-connection					
Thickness of PCB					
Ingress protection class		IP 20		IP 20	
Tightening torque range		0.5...1.0 Nm		0.5...1.0 Nm	
Stripping length		9 mm		9 mm	
Pollution severity		3		3	
Flammability class UL 94		V2		V2	
Colour of insulating material		beige		beige	
Clampable conductors (H05V/H07V)		Screw connection	Tension clamp connection	Screw connection	Tension clamp connection
Solid	mm²	0.2...4		0.2...4	
Flexible	mm²	0.2...4		0.2...4	
Max. conductor AWG		AWG 26...AWG 12		AWG 26...AWG 12	
Plug gauge to 60947-1		A3		A3	

Information

Ordering data

Individual parts		Type	Qty.	Order No.	Type	Qty.	Order No.
For mounting rail TS35	with connection element	DKT 4/35	100	0687460000	DKT 4/35 GTSE	50	1115760000
	for connection element						
	for mounting rail contact, for connection element						
For mounting rail TS32	with connection element						
Frame for TS35							
Frame for TS35	for connection element						
Frame for TS32							
Top part	open						
	closed						
Current bars (w. tension clamp)	short version						
	long version						
Current bars	horizontal						
	vertical						
Clamp. yoke unit	clamp. yoke + screw						
Screw							
Clamping yoke							
Mounting rail contact	current bar						
	spring						
Housing cover							
Information		DKT 4/35 2 StB Order No. 0327960000					

Accessories

End plate	Type	Qty.	Order No.	Type	Qty.	Order No.
	AP DKT4 PA	20	0687560000	AP DKT4 PA	20	0687560000
Information						

DKT 4-6

Screw connection

- ## Technical data

Information	
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Individual parts	Type	Qty.	Order No.	
For mounting rail TS35	with connection element			
	for connection element	KLTR DKT 4/35 6-SERIES	1	3017730000
	for mounting rail contact, for connection element			
For mounting rail TS32	with connection element			
Frame for TS35		DKT 4/35-6 RAHMEN	1	3015070000
Frame for TS35	for connection element			
Frame for TS32				
Top part	open	KOPL DKT 4	18	2158440000
	closed	KOPL DKT4/5 ESD	18	2198360000
Current bars (w. tension clamp)	short version			
	long version			
Current bars	horizontal	SMSE GSE5 WA	1	2047230000
	vertical	SMSE GSE5 SE	1	2047250000
Clamp. yoke unit	clamp. yoke + screw			
Screw		KLSC M2.5X7 SAK2.5/SO	1	2016770000
Clamping yoke		ZB DLI2.5	1	2232500000
Mounting rail contact	current bar			
	spring			
Housing cover				
Information				

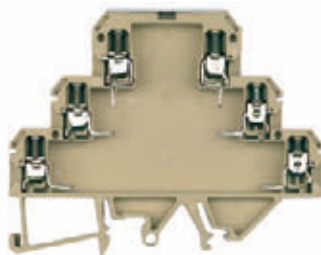
End plate	Type	Qty.	Order No.
	AP DKT4 PA	20	0687560000
Information			

DK 6

The transparent snap-on top plate is used for labelling.

A DK5 housing consists of:

- 1 modular terminal with current bars,
- 1 top plate,
- 1 end plate (if required).

DK 6**Screw connection****Technical data**

General data			
Dimensions W x L x H (w. TS35 x 7.5)	mm	8 / 88.4 / 69	
Dimensions W x L x H (w. TS32)	mm	8 / 88.4 / 73	
No. of connections	total	6	
	left / right / top	3 / 3	
Access for calibration			
Shielding		not available	
Contact to the mounting rail		-	
Max. power loss			
Number of PCB per module		1	
PCB-connection			
Thickness of PCB			
Ingress protection class		IP 20	
Tightening torque range		0.4...0.6 Nm	
Stripping length		9 mm	
Pollution severity		3	
Flammability class UL 94		V2	
Colour of insulating material		beige	
Clampable conductors (H05V/H07V)		Screw connection	Tension clamp connection
Solid	mm²	0.2...4	
Flexible	mm²	0.2...4	
Max. conductor AWG		AWG 20...AWG 12	
Plug gauge to 60947-1			

Information**Ordering data**

Individual parts		Type	Qty.	Order No.
For mounting rail TS35	with connection element	GH DK6 6 ANSCHL.	1	4042010000
	for connection element			
	for mounting rail contact, for connection element			
For mounting rail TS32	with connection element			
Frame for TS35				
Frame for TS35	for connection element			
Frame for TS32				
Top part	open	KOPL DK6 A2 2BOHR.	1	4043950000
	closed			
Current bars (w. tension clamp)	short version			
	long version			
Current bars	horizontal			
	vertical			
Clamp. yoke unit	clamp. yoke + screw			
Screw				
Clamping yoke				
Mounting rail contact	current bar			
	spring			
Housing cover				
Information				

Accessories

End plate		Type	Qty.	Order No.
		AP DK6 PA BE	20	8324560000
Information				

Housings in terminal form

MCZ 1.5

The transparent hinged top plate is used for labelling and calibration. Maximum equipment level requires 2 short and 3 long current bars. The space available and the number of connections can be doubled using the frame. CAD drawings that ease the production of layouts and equipping of boards (details of blocked area, max. component heights, pads, etc.), are available on request. The MCZ housing kit consists of:

- 1 terminal holder,
- 1 top plate,
- 1-5 current bars with tension clamp,
- 1 end plate (if required).

Technical data

General data	
Dimensions W x L x H (w. TS35 x 7.5)	mm
Dimensions W x L x H (w. TS32)	mm
No. of connections	total
	left / right / top
Access for calibration	
Shielding	
Contact to the mounting rail	
Max. power loss	
Number of PCB per module	
PCB-connection	
Thickness of PCB	
Ingress protection class	
Tightening torque range	
Stripping length	
Pollution severity	
Flammability class UL 94	
Colour of insulating material	
Clampable conductors (H05V/H07V)	
Solid	mm ²
Flexible	mm ²
Max. conductor AWG	
Plug gauge to 60947-1	

Information

Ordering data

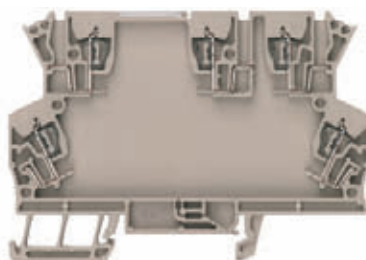
Individual parts	
For mounting rail TS35	with connection element
	for connection element
	for mounting rail contact, for connection element
For mounting rail TS32	with connection element
Frame for TS35	
Frame for TS35	for connection element
Frame for TS32	
Top part	open
	closed
Current bars (w. tension clamp)	short version
	long version
Current bars	horizontal
	vertical
Clamp. yoke unit	clamp. yoke + screw
Screw	
Clamping yoke	
Mounting rail contact	current bar
	spring
Housing cover	
Information	

Accessories

End plate	
Information	

MCZ 1.5

tension clamp connection



6 / 91.3 / 63.5	
5	
1 / 3 / 1	
Movable top plate	
not available	
Earthing-contact	
1	
soldered connection, directly	
1.0 (+ 0.2) mm	
IP 20	
6 mm	
3	
V2	
beige	
Screw connection	Tension clamp connection
	0.2...1.5
	0.2...1.5
	AWG 26...AWG 16

Type	Qty.	Order No.
GH MCZ1.5	1	2224220000
GH MCZUE1.5	1	2238930000
RA MCZ1.5	25	2224240000
KOPL MCZ1.5	18	2224040000
SMSE KU FE MCZ 1.5	1	2224390000
SMSE LN FE MCZ 1.5	1	2224380000
SMSE UE MCZ1.5	1	2239510000
KOFE ZDL2.5S	1	2226380000
Information		

Type	Qty.	Order No.
AP MCZ1.5	50	8389030000
Information		