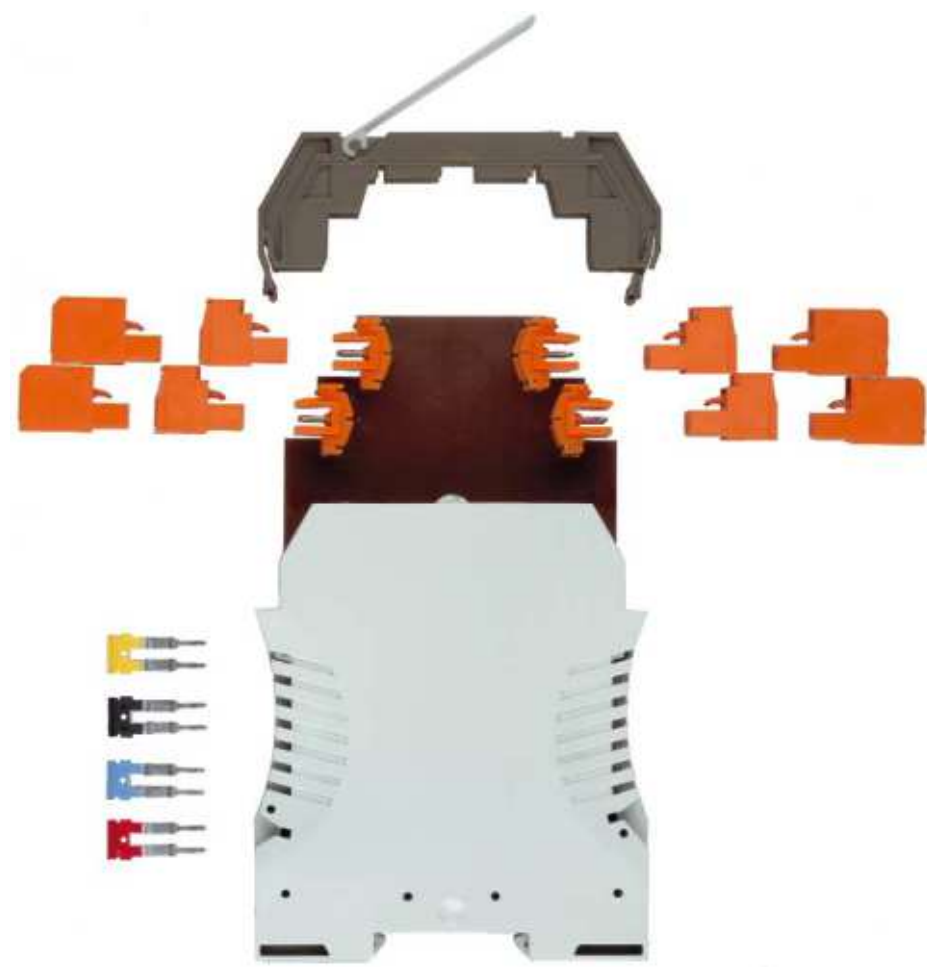




Weidmüller DK 4 and DKT 4 terminals

are suitable for the installation of electronic components with a maximum diameter or width of 4.5 mm. Four independent clamping yoke screw connections are available. A snap-on frame expands the installation space in the DK4 by 6 mm respectively. Depending on type, these modular terminals are suitable for mounting on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails according to European standards EN 50 035 and EN 50 022.

Weidmüller WDK 2.5 terminals

are suitable for the installation of electrical components with a maximum width of 4 mm. As many as four independent clamping yoke screw connections or 4 6.3 x 0.8 tab connections are available. These terminals are suitable for mounting on TS 35 x 7.5 or TS 35 x 15 mounting rails.

Weidmüller EG 1 housings

offer 4 screw connections and, as accessories, up to 4 0.8 x 4.8 mm solder/tab connections on a width of 18 mm. The screw clamp busbar ends with a solder ring inside the housing. Two end plates seal the module. Depending on type, the modules are mounted on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails.

Weidmüller EG 2 housings

The external shape of these housings corresponds to Type EG 1. Four screw connections or up to 8 0.8 x 6.6 mm/0.8 x 2.8 mm tab connectors are connected with a printed circuit board in the housing. They can be mounted on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails.

Weidmüller EG 3 housings

provides 6 screw connections or 12 0.8 x 6.3 mm/0.8 x 2.8 mm tab connections on a width of 22.5 mm. As an accessory, Weidmüller offers a shaped printed circuit board with a 2.54 mm hole grid or fully copper-coated. The engagable combination foot allows the terminal to be mounted on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails. The MPL mounting plate is used to mount the housing directly (without mounting rail). Due to the sliding foot construction, the EG 3 can be turned through 180° in all types of assembly (e.g. exchanging input and output).

Weidmüller EG 4 housing

as type EG 3, offers the same width of 22.5 mm. However, the greater installation depth (75 mm) and height (109 mm) allow the installation of more complex circuit configurations. The built-in installation can be connected via 6 screw connections. The snap-on combination foot allows the terminal to be mounted on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails. Due to the sliding foot construction, the EG 4 can be slid forwards or backwards on the locking foot, and can be turned through 180° (e.g. exchanging of input and output).

Weidmüller EG 5 housings

correspond to type EG 4. The EG 5 has 12 screw connections, which can be wired with solder lugs inside the housing. The snap-on combination foot allows the terminal to be mounted on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails. Due to the sliding foot construction, the EG 4 can be slid 6 mm forwards or backwards on the engaging foot and can be turned through 180° (e.g. exchanging input and output).

Weidmüller EG 6 housings

have a bus-suitable contact carrier. The bus connection is created by directly mounting several housings in a row. 32 connections are available on both sides of the housing as crimp connector block contacts. The housing accepts printed circuit boards with dimensions of 100 x 120 mm. The printed circuit board is adapted with a VG 64 DIN strip. The front panel is screwed onto the circuit board similar to the 19" technology. The locking foot allows easy mounting onto the TS 35 mounting rail.

Weidmüller SEG/U housing

enable the plug-in module assembly of a 70 x 52 x 1 mm printed circuit board. The circuit board is attached to the accessory cover plate via snap-in hooks. The housing contains a 13-pole socket block for installation of the module; 6 screw connections are available for connection. The permissible power loss in the housing during continuous operation of terminals in rows amounts to 1.5W, depending on the surface temperature of the soldered components. The snap-on combination foot allows the housings to be mounted on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails.

Weidmüller housings type WAVEBOX

It is essential to provide fit-for-use housings for modern electronic components. Setting and control functions must be easily carried out and technical requirements with respect to heat dissipation and EMV properties should be supported.

An ideal design saves space and wiring costs in the switchgear cabinet.

In addition, ergonomics and design are becoming increasingly important for high-quality electronic products.

These are the criteria that led to the development of WAVEBOX. Simplified production methods (shaft soldering, SMD) ensure cost-savings for the customer.

The WAVEBOX is characterised by:

- Optimum width for any application (12.5 mm, 17.5 mm, 22.5 mm)
- Large component assembly surface; SMDs can be mounted on the solder side
- UL94 flammability class V2
- No tools required for assembly
- Plug-in printed circuit board
- Plug-in cross-connection via ZQV 2.5 N
- Hinged, transparent cover
- BLZ 5.08 screw/plug and socket connector
- BLFZ 5.08 optional tension clamp/plug and socket connector
- Marking option with WS tags
- Mounts onto TS 35

Weidmüller individual parts for RS 70 locking socket

latch together to form units from 20 mm in width. Any desired intermediate parts or feet can be connected between two side pieces (locking feet) at intervals of 5 mm. In this way, a carrier module is constructed for PCB, on which various components can be soldered. The assembly snaps onto TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails.

The Weidmüller RSX custom circuit module

is a largely prefabricated unit which accepts up to 5 components such as resistors, diodes, varistors or capacitors via soldering terminals. The components are connected via screw clamps or tab connections. This module is also suitable for mounting on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails.

Weidmüller locking socket profiles

The RS 45, RS 80 and RS 100 profiles are available as 2 m long strips. The extruded profiles can be easily cut to any length with a saw. In this way, a carrier module is constructed for a printed circuit board on which various components can be soldered. Locking feet can be slid into these profiles for mounting on TS 32, TS 35 x 7.5 or TS 35 x 15 mounting rails. The sliding foot construction of the RS 80 also allows the fixing foot be turned through 180°.

Housings

Terminals

DK 4

DKT 4



Dimensions

Terminal width	6 mm
(+fitting tolerance 0.2)	
Insulating stripping length	9 mm

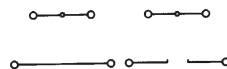
Connection data

Screw connection, solid	0.5...4 mm ²
Screw connection, stranded	0.5...4 mm ²
Conductor cross-section	AWG 22...12
Tightening torque range	0.5-1.0 Nm
Torque phase with	1
DMS 2 electric screwdriver	

Rated data acc. to VDE

Rated cross-section	4 mm ²
Rated voltage	380 V~
Rated current	10 A
Power loss	0.5 W

Connection diagram



Ordering data

Terminal	
for TS 32 Y	Type
	Cat. No.
for TS 35 W	Type
	Cat. No.

Matching contour frame	
for TS 32 Y	Type
	Cat. No.
for TS 35 W	Type
	Cat. No.

Accessories

Mounting rail (2 m lengths)	
End bracket	for TS 32
(thickness mm)	for TS 35
End plate (thickness mm)	
Partition	
Socket for test plug	
Test plug (pin diameter)	
Cross-connection	2-pole
(preassembled)	3-pole
	4-pole
	10-pole
Switchable cross-connection bracket	
Connection sleeve	
Fixing screw	
Cover plate (4 terminals)	
Fixing screw (plastic)	
Cross connection bridge	

DK 4 PA	DK 4 PA
1537960000	1115460000
DK 4/35 PA	DK 4/35 PA
8203490000	1115560000

DK 4 RA	DK 4 RA
0690960000	0690960000
DK 4 RA/35	DK 4 RA/35
0691060000	0691060000

Type	Cat. No.	Qty.
TS 32	0122800000	2 m
TS 35 x 7.5	0383400000	2 m
TS 35 x 15	0498000000	2 m
EWK 1 (8.5)	0206160000	50
EW 35 (8.5)	0383560000	50
AP PA (1.5)	0359260000	20
TSch 4	0363360000	100
StB 8.5	0215700000	50
PS (ø 2.3)	0180400000	20
Q 2	0336400000	50
Q 3	0336500000	50
Q 4	0336600000	50
Q 10	0368600000	20
VL 2	0446700000	–
VH 10	0446600000	100
BS M 2.5 x 14	0266800000	100
AD 4	0303400000	50
BSK M 2.5 x 18	0303300000	100
QB 2*	0482700000	100
QB 3*	0482800000	50
QB 4*	0482900000	50
QB 75 blank*	0526400000	10
Insulation profile	0526700000	–

DKT 4 PA	DKT 4 PA
1686940000	1115660000
DKT 4 /35PA	DKT 4/35 PA
0687460000	1115760000

Type	Cat. No.	Qty.
TS 32	0122800000	2 m
TS 35 x 7.5	0383400000	2 m
TS 35 x 15	0498000000	2 m
EWK 1 (8.5)	0206160000	50
EW 35 (8.5)	0383560000	50
AP PA (1.5)	0687560000	20
TSch 4	0363360000	100
QB 2*	0482700000	100
QB 3*	0482800000	50
QB 4*	0482900000	50
QB 75 blank*	0526400000	10
Insulation profile	0526700000	–

* Accessories see terminals catalogue

Housings

Terminals

WDK 2.5

WDK 2.5 F

WDK 2.5 FF

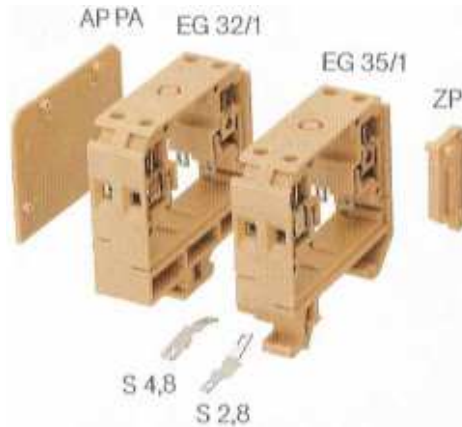


Dimensions									
Terminal width (+fitting tolerance 0.2)		5 mm	5 mm	5 mm		5 mm			
Insulating stripping length		10 mm	10 mm	10 mm		–			
Connection data									
Screw connection, solid		0.5...4 mm²	0.5...4 mm²	0.5...4 mm²					
Screw connection, stranded		0.5...2.5 mm²	0.5...2.5 mm²	0.5...2.5 mm²					
Conductor cross-section		AWG 26...4	AWG 26...4	AWG 26...4					
Tightening torque range		0.4 - 0.7 Nm		0.4 - 0.7 Nm					
Torque phase with DMS 2 electric screwdriver		1		1					
Rated data acc. to VDE									
Rated cross-section		2.5 mm²		2.5 mm²		1 mm²			
Rated voltage		380 V~		380 V~		380 V~			
Rated current		26 A		12 A (2 x 6 A)		12 A (2 x 6 A)			
Power loss		0.5 W		0.5 W		0.5 W			
Connection diagram									
Ordering data									
Terminal									
for TS 32 Y	Type								
	Cat. No.								
for TS 35 w	Type	WDK 2.5	WDK 2.5	WDK 2.5 F		WDK 2.5 FF			
	Cat. No.	1023200000	1023100000	1021600000		1021700000			
Matching contour frame									
for TS 32 Y	Type								
	Cat. No.								
for TS 35 w	Type	WZR WDK 2.5		WZR WDK 2.5		WZR WDK 2.5			
	Cat. No.	1074000000		1074000000		1074000000			
Accessories									
Mounting rail (2 m lengths)	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	TS 35 x 7.5	0383400000	2 m	TS 35 x 7.5	0383400000	2 m	TS 35 x 7.5	0383400000	2 m
	slotted	0514500000	2 m	slotted	0514500000	2 m	slotted	0514500000	2 m
	TS 35 x 15	0498000000	2 m	TS 35 x 15	0498000000	2 m	TS 35 x 15	0498000000	2 m
End bracket									
(thickness mm)	for TS 35	EW 35 (8.5)	0383560000 50	EW 35 (8.5)	0383560000 50		EW 35 (8.5)	0383560000 50	
End plate (thickness mm)		WAP	1059100000 100	WAP	1059100000 100		WAP	1059100000 100	
Cross-connection	2-pole	WQV 2.5	1053660000 50	WQV 2.5	1053660000 50		WQV 2.5	1053660000 50	
(preassembled)	3-pole	WQV 2.5	1053760000 50	WQV 2.5	1053760000 50		WQV 2.5	1053760000 50	
	4-pole	WQV 2.5	1053860000 50	WQV 2.5	1053860000 50		WQV 2.5	1053860000 50	
	10-pole	WQV 2.5	1054460000 50	WQV 2.5	1054460000 50		WQV 2.5	1054460000 50	

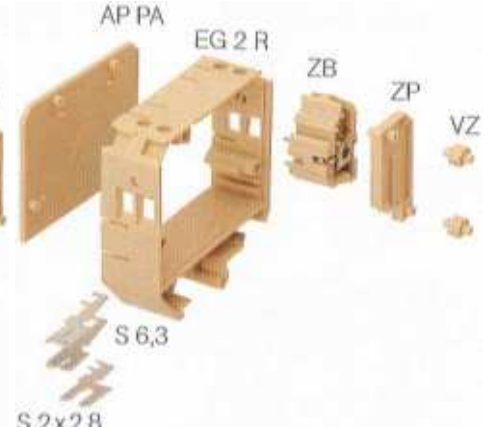
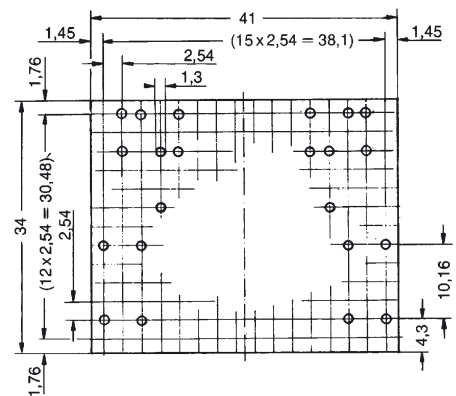
Housings

Housings

EG 1



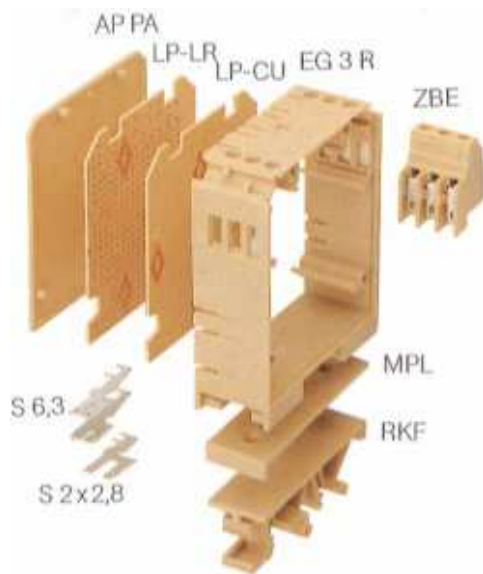
EG 2



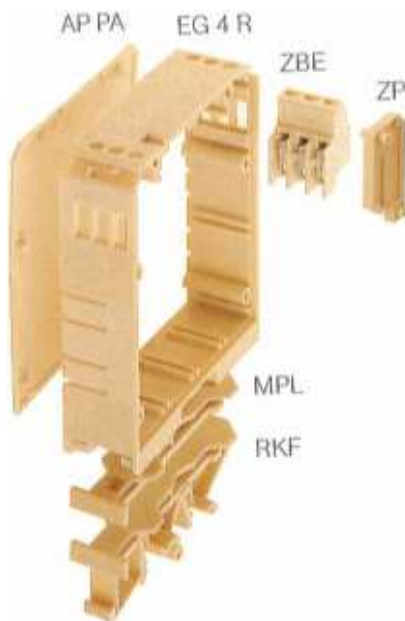
Rated data						
Reference voltage acc. to VDE 0110 1/89	300 V		300 V			
Pollution severity	2		2			
Overvoltage category	II		II			
Current	10 A		10 A			
Power loss (when mounted in row)	1 W		1 W			
Protection class	IP 20		IP 20			
Flammability acc. to UL level	V-2		V -2			
Upper temperature limit	100 °C		100 °C			
Connection data						
Screw connection solid	0.5...4 mm²		0.5...4 mm²			
Screw connection stranded	0.5...2.5 mm²		0.5...2.5 mm²			
Tightening torque range	0.5 - 1.0 Nm		0.5 - 1.0 Nm			
Torque phase with DMS 2 electric screwdriver	2		2			
Ordering data						
Housing frame	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	EG 32/1 for TS 32	0453560000	20	EG 2 R	0508860000	20
	EG 35/1 for TS 35	0453860000	20			
End plate	AP PA	0453660000	20	AP PA	0453660000	20
Combi foot, latchable						
Assembly plate						
Clamping yoke unit, right				ZB-R	0495960000	20
Clamping yoke unit, left				ZB-L	0495860000	20
Intermediate plate	ZP	0453760000	20	ZP	0453760000	20
Connection spigot	VZ	0510260000	50	VZ	0510260000	50
Connection tab 0.8 x 6.3 mm						
Connection tab 2 x 0.8 x 2.8 mm						
Tab / solder lug 0.8 x 2.8 mm	S 2.8	0475800000	20	S 6.3	0496100000	100
Tab / solder lug 0.8 x 4.8 mm	S 4.8	0475700000	20	S 2 x 2.8	0163500000	50
Printed circuit board, copper-coated						
Printed circuit board 5.08 pitch						
Dimensions						
see page	306, Fig. I		306, Fig. II			

Housings

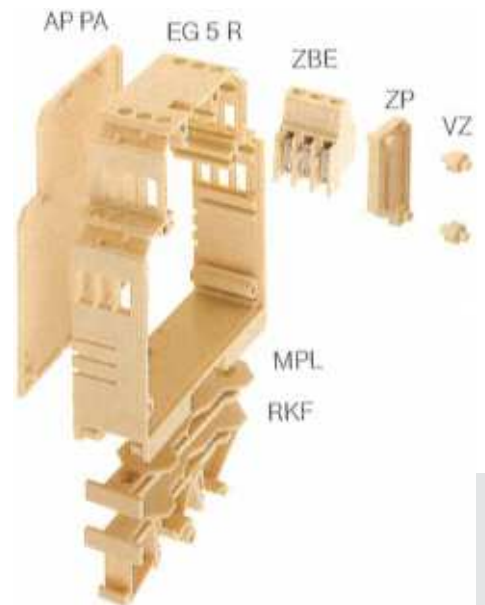
EG 3



EG 4



EG 5



300 V
2
II
10 A
1.5 W
IP 20
V - 2
100 °C
0.5...4 mm ²
0.5...2.5 mm ²
0.4 - 0.8 Nm
1

Type	Cat. No.	Qty.
EG 3 R	0163960000	15
AP PA	0133760000	20
RKF	0163860000	20
MPL	0158560000	50
ZBE	0138360000	50
ZBE	0138360000	50
VZ	0510260000	50
S 6.3	0496100000	100
S 2 x 2.8	0163500000	50
LP-CU	0167300000	-
LP-LR	0167400000	-

307, Fig. V

300 V
2
III
10 A
1.6 W
IP 20
V - 2
100 °C
0.5...4 mm ²
0.5...2.5 mm ²
0.4 - 0.8 Nm
1

Type	Cat. No.	Qty.
EG 4 R	1116560000	-
AP PA	1116060000	20
RKF	1116260000	20
MPL	1116360000	50
ZBE	0138360000	50
ZBE	0138360000	50
VZ	0510260000	50
ZP	0453760000	-

307, Fig. VI

300 V
2
III
1 A
1.6 W
IP 20
V - 2
100 °C
0.5...4 mm ²
0.5...2.5 mm ²
0.5 - 0.8 Nm
1

Type	Cat. No.	Qty.
EG 5 R	1116860000	-
AP PA	1116160000	20
RKF	1116260000	20
MPL	1116360000	50
ZBE	0138360000	50
ZBE	0138360000	50
VZ	0510260000	50
ZP	0453760000	-

307, Fig. VII

Housings

Housings for pluggable printed circuit boards

Housing version	Polyamide PA 6.6
Flammability class	U2 (UL 94)
Colour	grey

Notes:

BLZ may only be actuated with the supply disconnected. If small power ratings need to be switched for operating reasons, empirical values are available on request.

Description
Housing base completely assembled with locking foot, not cross-connectable
Housing base completely assembled with locking foot, cross-connectable
Top part with transparent cover/top unit
Pin header 5.08/3-pole orange; right
Pin header 5.08/3-pole orange; left
Connector socket 2-pole for BLZ 5.08/2 screw terminal
- orange
- black
Other colours are available on request
Connector socket 3-pole for BLZ 5.08/3 terminal
- orange
- black
Other colours are available on request
Connector socket 2-pole for BLZ 5.08/3 tension clamp terminal
- orange
- black
Connector socket 3-pole for BLZ 5.08/3 tension clamp terminal
- orange
- black

Accessories

Cross-connection ZQV 2.5N/2 black
Cross-connection ZQV 2.5N/2 red
Cross-connection ZQV 2.5N/2 blue
Cross-connection ZQV 2.5N/2 yellow
Coding elements for BLZ BLZ KO black
Coding elements for BLZ BLZ KO orange

WS connector marker

WS15/5 Multicard*
WS10/5 Multicard *
WS10/5 Neutral*
Screw cap
Power loss, arranged side by side, type

Ordering example WAVEBOX S 22.5

Housing base completely assembled with locking foot, not cross-connectable
Top part with transparent cover/top unit
Pin header 5.08/3-pole orange; right
Pin header 5.08/3-pole orange; left
Connector socket 3-pole for BLZ 5.08/3 screw terminal, orange

* Marker see page 317 + 318

Attention!

These WAVEBOX-housings are authorized only to be used in a closed control cubicle!

WAVEBOX S 22.5



Type	Cat. No.	Qty.
WAVEBOX S 22.5	8426440000	10
WAVEBOX S 22.5 QV	8426450000	10
Head	8426460000	10
Pin header	8426620000	10
Pin header	8426630000	10
Connector socket	1526560000	100
Connector socket	1526510000	100
Connector socket	1707470000	100
Connector socket	1707700000	100

ZQV 2.5N/2 black	1718080000	60
ZQV 2.5N/2 red	1717900000	60
ZQV 2.5N/2 blue	1717990000	60
ZQV 2.5N/2 yellow	1693800000	60
Coding element	1545710000	100
Coding element	1573010000	100

-	-	-
-	-	-
-	-	-
-	-	-
2.2 W/40 °C	-	-

Type	Cat. No.	Qty.
	8426440000	1x
	8426460000	1x
	8426620000	1x
	8426630000	1x
	1526560000	2x

WAVEBOX L 22.5



Type	Cat. No.	Qty.
WAVEBOX L 22.5	8426470000	10
WAVEBOX L 22.5 QV	8426480000	10
	8426490000	10
	8426620000	10
	8426630000	10
Connector socket	1526560000	100
Connector socket	1526510000	100
Connector socket	1707470000	100
Connector socket	1707700000	100

ZQV 2.5N/2 black	1718080000	60
ZQV 2.5N/2 red	1717900000	60
ZQV 2.5N/2 blue	1717990000	60
ZQV 2.5N/2 yellow	1693800000	60
Coding element	1545710000	100
Coding element	1573010000	100

-	-	-
-	-	-
-	-	-
-	-	-
CAP	8428120000	-
3 W/20 °C	2.2 W/40 °C	-

Type	Cat. No.	Qty.
	8426440000	1x
	8426460000	1x
	8426620000	1x
	8426630000	1x
	1526560000	2x

Dimension drawing, see page 308

Housings

Housings for pluggable printed circuit boards

WAVEBOX 12.5 mm

WAVEBOX 17.5 mm

Housing version	Polyamide PA 6.6
Flammability class	U2 (UL 94)
Colour	grey

Hinweise:

BLZ may only be actuated with the supply disconnected. If small power ratings need to be switched for operating reasons, empirical values are available on request.



Description
Housing base completely assembled with locking foot, not cross-connectable
Housing base completely assembled with locking foot, cross-connectable
Top part with transparent cover/top unit
Pin header 5.08/2/3-pole; right
Pin header 5.08/2/3-pole; left
Connector socket 2-pole for BLZ 5.08/2 screw terminal
- orange
- black
Other colours are available on request
Connector socket 3-pole for BLZ 5.08/3 screw terminal
- orange
- black
Other colours are available on request
Connector socket 2-pole for BLZ 5.08/3 tension clamp terminal
- orange
- black
Connector socket 3-pole for BLZ 5.08/3 tension clamp terminal
- orange
- black

Type	Cat. No.	Qty.
WAVEBOX 12.5 mm	8426530000	12
WAVEBOX 12.5 mm	8426540000	12
	8426550000	12
orange	8427390000	100
orange	8427400000	100
	1526460000	100
	1526410000	100
	1707460000	100
	1707690000	100

Type	Cat. No.	Qty.
WAVEBOX 17,5 mm	8426560000	8
WAVEBOX 17,5 mm	8426570000	8
	8426580000	8
beige	8449220000	100
beige	8449230000	100
	1526560000	100
	1526510000	
	1707470000	100
	1707700000	100

Accessories

Cross-connection ZQV 2.5N/2 black
Cross-connection ZQV 2.5N/2 red
Cross-connection ZQV 2.5N/2 blue
Cross-connection ZQV 2.5N/2 yellow
Coding elements for BLZ BLZ KO black
Coding elements for BLZ BLZ KO orange

1718080000	60
1717900000	60
1717990000	60
1693800000	60
1678530000	1

1718080000	60
1717900000	60
1717990000	60
1693800000	60
1678530000	1

WS connector marker

WS15/5 Multicard*
WS10/5 Multicard *
WS10/5 Neutral*
Screw cap
Power loss, arranged side by side, type

	1609890000	96
	1635010000	144
	1060860000	200
CAP	8428130000	100
3 W/20 °C	2 W/40 °C	

	1609890000	96
	-	-
	-	-
GAP	8428120000	100
3 W/20 °C	2 W/40 °C	

* Marker see page 317 + 318

Attention!

These WAVEBOX-housings are authorized only to be used in a closed control cubicle!

Dimension drawing, see page 308

Housings

Housings

SEG-U/LPU

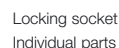
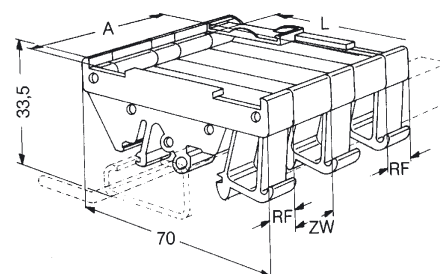
EG 6



Rated data							
Reference voltage acc. to VDE 0110 1/89	50 V			32 V nach VDE 0110/1.89			
Pollution severity	2			2			
Overvoltage category	III			III			
Current	1 A						
Current-carrying capacity of bus contacts				1 A/δ _U 50 °C			
Volume resistance of bus contacts				12 mΩ			
Printed circuit board dimensions				100 x 120 x 1.8 mm			
Power loss (when mounted in row)	1.5 W						
Protection class	IP 20			IP 00			
Flammability acc. to UL level	V -2			V - 2			
Upper temperature limit	100 °C			100 °C			
Connection data							
Screw connection solid	0.5...4 mm ²						
Screw connection stranded	0.5...2.5 mm ²						
Tightening torque range	0.5 Nm						
Torque phase with electric screwdriver DMS 2	1						
Ordering data							
Housing frame	Type	Cat. No.	Qty.	Type	Cat. No.		
	Housing SEG/U	8007870000	–	EG 6 (incl. front plate)	8095840000		
	Cover plate	8066100000	–				
End plate							
Combi foot, latchable							
Assembly plate							
Clamping yoke unit, right							
Clamping yoke unit, left							
Intermediate plate							
Connection spigot							
Connection tab 0.8 x 6.3 mm							
Connection tab 2 x 0.8 x 2.8 mm							
Tab / solder lug 0.8 x 2.8 mm							
Tab / solder lug 0.8 x 4.8 mm							
Printed circuit board, copper-coated							
Printed circuit board 2.54 pitch							
Dimensions							
See page	307			307			

Locking socket

Strip profile



Fixing foot

Spacer

Printed circuit board

Total width:	45 mm
Length:	1000 mm/2000 mm
For horizontal insertion of a printed circuit board	
Width:	42 (+0.5) mm
Thickness:	1.8 (+0.15) mm (DIN 40802 T. 2)
Length:	optional/60...2000 mm
Dim. of RS section: printed circuit board length – 4.5 mm	
Dim. of ADP section: printed circuit board length – 1 mm	
Example: circuit board length 160 mm, RS = 155.5 mm, ADP = 159 mm	

Width: 5 mm/15 mm/25 mm/30 mm/45 mm	Dim. ZW
Width: RS-Br.-2 mm (Ex.: RS=45 mm, LP=43 mm)	Dim. A
Length: 67.8 (-0.2) mm	Dim. L
Thickness: 1.6 (±0.2) mm (DIN 40802 Part 2)	

Flammability acc. to UL level
Upper temperature limit

V-0 / V-2 strip profile / accessories

String profile
Fixing foot right, with marking facility
Fixing foot right, without marking facility
Fixing foot left, without marking facility
Fixing foot middle (intermediate foot)
Fixing foot (RS 80/RS 100) for TS 32/TS 35
Spacer 5 mm
Spacer 15 mm
Spacer 25 mm
Spacer 30 mm
Spacer 45 mm
End plate for mounting on rail without cover
End plate for direct mounting without cover
End plate for mounting on rail with low cover
End plate for direct mounting with low cover
End plate for mounting on rail with high cover
End plate for direct mounting with high cover
Cover profile, low
Cover profile, high
Screws

Type	Cat. No.	Qty.		
RS 45 (up to 2000 mm)	4027750000	1		
RS 45 (up to 1000 mm)	8140880000	1		
AP 45/LI	AP 45/RE	8143910000	8143900000	20
AP 45/LI Di	AP 45/RE Di	8140870000	8140860000	20
30 x 14	4011200000	-		

Insert tag (unprinted)

Protective strip, transparent

Type	Cat. No.	Qty.
RFB	0119560000	
RFO	0126260000	20
RF	0119660000	20
RFM	0213760000	20
ZW 5	0119760000	20
ZW 15	0119860000	20
ZW 25	0126160000	20
ZW 30	0119960000	20
ZW 45	0120060000	20

ESO 7	0515200000	–
SSt 7	0515300000	100

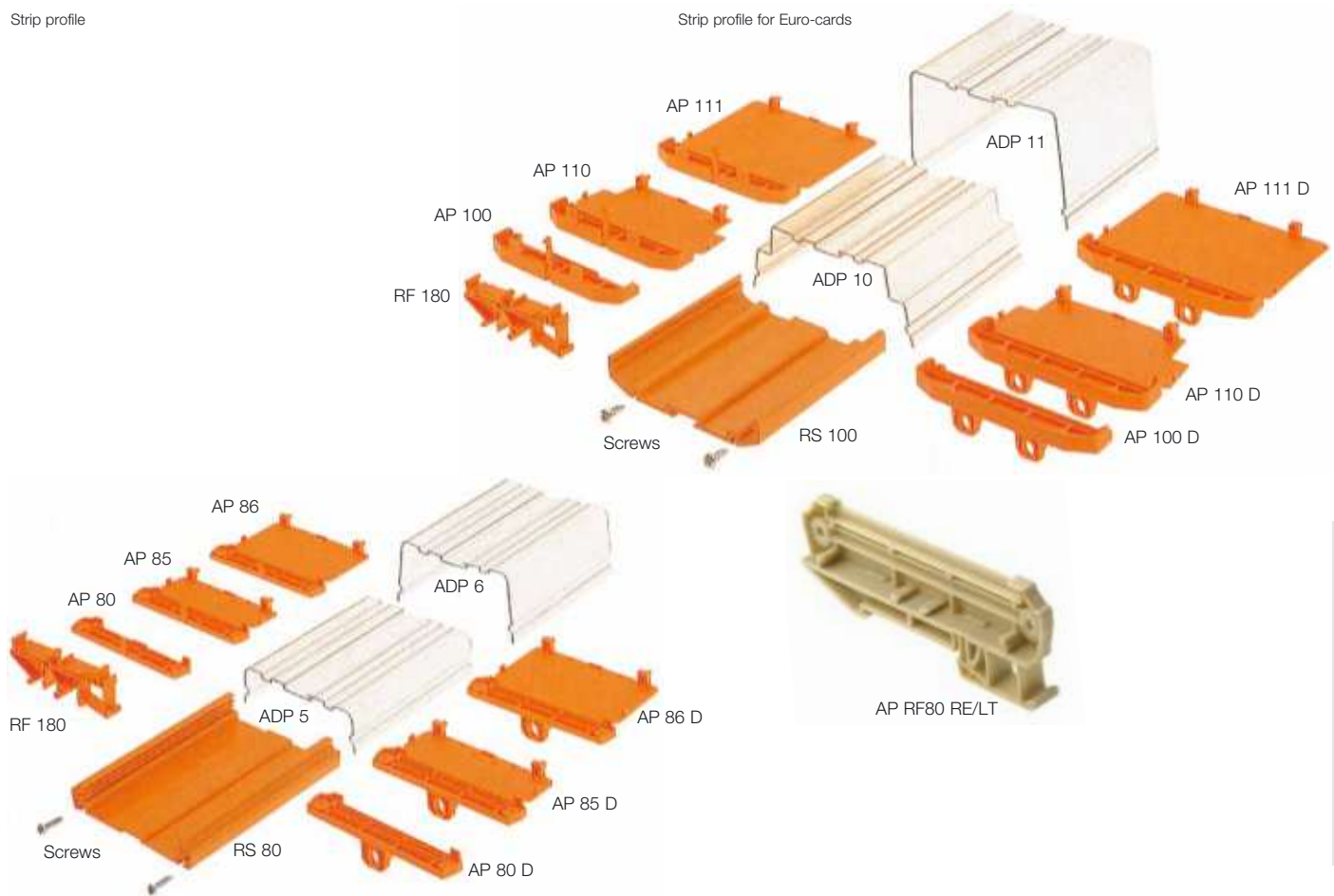
Housings

RS 80

Strip profile

RS 100

Strip profile for Euro-cards



Total width:	84 mm
Length:	2000 mm

For horizontal insertion of a printed circuit board

Width:	67.8 (+0.2) mm
Thickness:	1.8 (+0.15) mm (DIN 40802 T. 2)

Dim. RS section printed circuit board length –4.5 mm

Dim. ADP section printed circuit board length –2 mm

Example: circuit board length 160 mm, RS = 155.5 mm,
ADP = 158 mm

V-0 / V-2 strip profile / accessories

70 °C

Type	orange (RAL 2000)	grey (RAL 7032)	Qty.
RS 80 (2000 mm) grey		4183130000	1
RS 80 (2000 mm) orange	4157440000		1
RF 180	1324460000	1773400000	20
AP 80	1324260000	8320300000	20
AP 80 D	1324360000		20
AP RF 80 RE		8156200000	-
AP RF 80 LT		8156210000	-
AP 85	1410860000		20
AP 85 D	1411060000		20
AP 86	1410960000		20
AP 86 D	1411160000		20
ADP 5 (1000 mm)	4167150000		-
ADP 6 (1000 mm)	4167160000		-
30 x 14	4011200000		-

Total width:	104 mm
Length:	2000 mm/160 mm

For horizontal insertion of a printed circuit board

Width:	100 (+0.5) mm
Thickness:	1.8 (+0.5) mm (DIN 40802 Part 2)

Dim. RS section printed circuit board length –4.5 mm

Dim. ADP section printed circuit board length –1 mm

Example: circuit board length 160 mm, RS = 155.5 mm,
ADP = 159 mm

V-0 / V-2 strip profile / accessories

70 °C

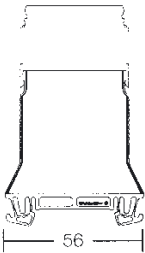
Type	orange (RAL 2000)	grey (RAL 7032)	Qty.
RS 100 (2000 mm) grey		4010870000	1
RS 100 (2000 mm) orange	4144870000		1
RS 100 (155 mm)	4148400000		1
RF 180	1324460000	1773400000	20
AP 100	1185060000	1773410000	20
AP 100 D	1185160000		20
AP 110	1185260000		20
AP 110 D	1185360000		20
AP 111	1185460000		20
AP 111 D	1185560000		20
ADP 10 (2000 mm)	4169320000		(2 m)
ADP 11 (2000 mm)	4169330000		(2 m)
40 x 14	4019420000		-

Housings

Housings EG.../RST OST

Dimensions
Connection data
Accessories

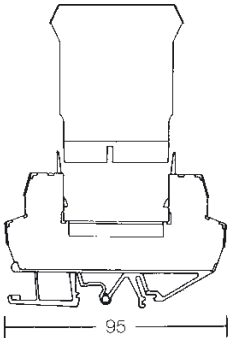
EGR/EG 7



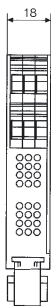
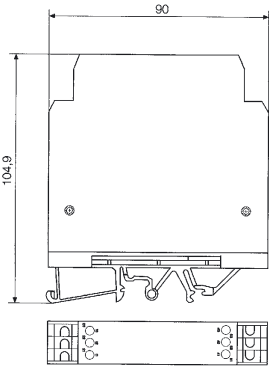
EGR/EGO



RST/EG 7



EG 8 / EG 12



	EG 7/35 for TS 35	EG 7/combi foot
Width (mm)	10	10
Height (mm)		
with TS 35 x 7.5	92	96
with TS 35 x 15	100	103
with TS 32		100

	RST/OST EG 7
Width (mm)	10
Height assembled (mm)	
823472 for TS 32	
with TS 35 x 7.5	91
with TS 35 x 15	99
819383 with combi foot	
with TS 35 x 7.5	93
with TS 35 x 15	101
with TS 32	97

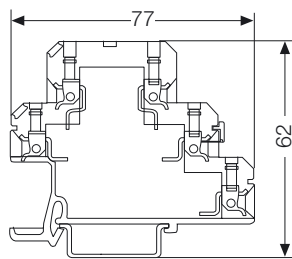
	Dimensions
	EG 8
Width (mm)	12.5
Height (mm)	104.9
	EG 12
Width (mm)	18
Height (mm)	104.9

Housings

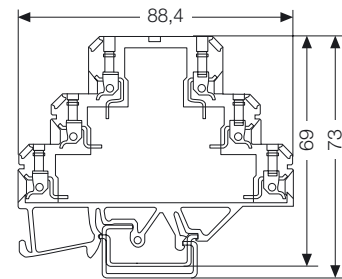
Housings

Dimensions
Connection data
Accessories

DK 5



DK 6



Dimensions	
Terminal width (+ fitting tolerance 0.2 mm)	
Insulating stripping length	
Connection data	
Screw connection, solid	
Screw connection, stranded	
Connection cross-section	
Accessories	
Mounting rail (2 m lengths)	y
	w
	v
End bracket	for TS 32
	for TS 35
End plate	
Marking material*	

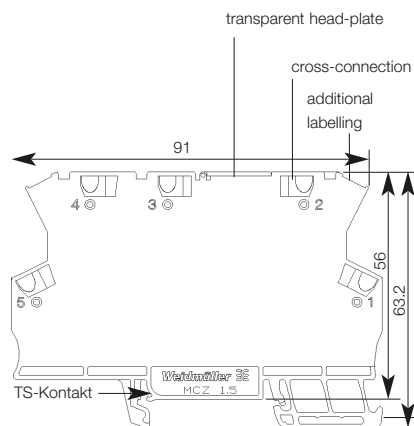
*For more information see sectional catalogue 5/installation products

DK 5	
Terminal width	6 mm
Insulating stripping length	9 mm
Connection data	
Screw connection, solid	0.5...4 mm ²
Screw connection, stranded	0.5...4 mm ²
Connection cross-section	AWG 20...12
Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EWK 2	0199360000
EW 35	0383560000
AP	8268870000
dekafix 5	

DK 6	
Terminal width	8 mm
Insulating stripping length	9 mm
Connection data	
Screw connection, solid	0.5...4 mm ²
Screw connection, stranded	0.5...4 mm ²
Connection cross-section	AWG 20...12
Type	Cat. No.
TS 32	
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EWK 2	0199360000
EW 35	0383560000
AP	8324560000
dekafix 5	

Housings miniconditioner MCZ

Dimensions
Connection data
Accessories



Dimensions	
Width (mm) + fitting tolerance 0.2	6
Insulating stripping length (mm)	6
Connection data	
Z-spring connection, solid	0.5...1.5 mm ²
Z-spring connections, stranded	0.5...1.5 mm ²
Connection cross-section	AWG 26...16
Accessories	
Mounting rail (2 m lengths) w	
Mounting rail (2 m lengths) u	
End plate	
End bracket for TS 35	
Cross-connection (pluggable)	

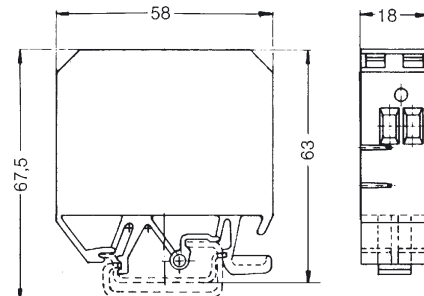
Type	Cat. No.
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
APMCZ 1.5	8389030000
EW 35	0383560000
EW 35	0383560000
ZQV 4 2-pole	1608950000
ZQV 4 3-pole	1608960000
ZQV 4 4-pole	1608970000
ZQV 4 5-pole	1608980000
ZQV 4 6-pole	1608990000
ZQV 4 7-pole	1609000000
ZQV 4 8-pole	1609010000
ZQV 4 9-pole	1609020000
ZQV 4 10-pole	1609030000

Housings

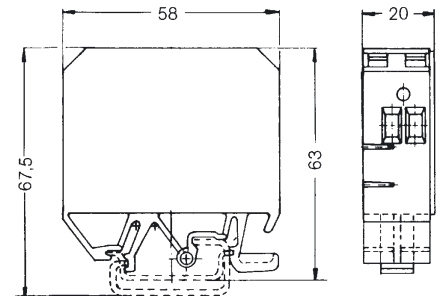
Housings EG.../EG-U/LPU

Dimensions
Connection data
Accessories

EG 1 - Fig. I



EG 2 - Fig. II

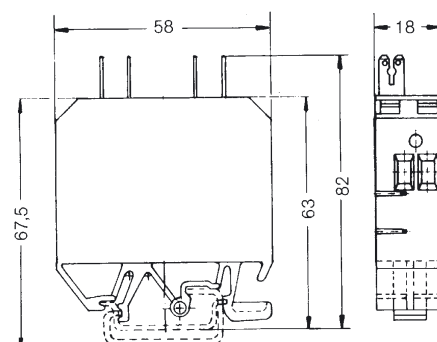


Dimensions	
Terminal width (+fitting tolerance 0.2 mm)	18 mm
Insulating stripping length	12 mm
Connection data	
Screw connection, solid	0.5...6 mm ²
Screw connection, stranded	0.5...4 mm ²
Connection cross-section	AWG 20...12
Accessories	
Mounting rail (2 m lengths)	Y
	W
	U
End bracket	for TS 32
	for TS 35
Cross connection wire: 80 mm long, 50-pole/1 mm ²	
Marking material*	

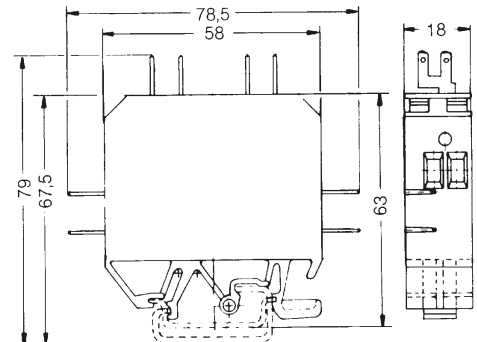
Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 5	

Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 5	

EG 2 - Fig. III



EG 2 - Fig. IV



Dimensions	
Terminal width (+fitting tolerance 0.2 mm)	18 mm
Insulating stripping length	
Connection data	
Screw connection, solid	
Screw connection, stranded	
Tab connection (DIN 46247)	2x 0.8 x 2.8 mm or 1x 0.8 x 6.3 mm
Connection cross-section	
Accessories	
Mounting rail (2 m lengths)	Y
	W
	U
End bracket	for TS 32
	for TS 35
Cross connection wire: 80 mm long, 50-pole/1 mm ²	
Marking material*	

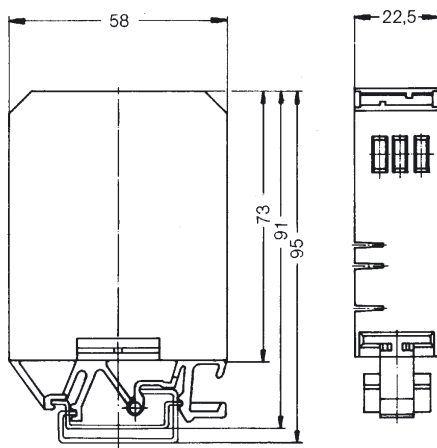
Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 5	

Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 5	

* see sectional catalogue 7

Housings

EG 3 - Fig. V



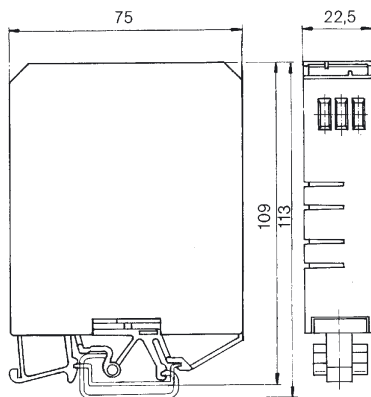
with assembly plate MPL

22.5 mm
17 mm

0.5...4 mm²
0.5...2.5 mm²

Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 6.5	

EG 4 - Fig. VI



22.5 mm
17 mm

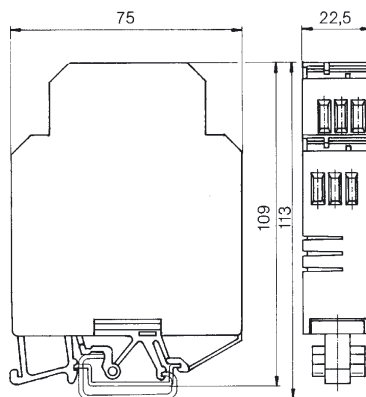
0.5...4 mm²
0.5...2.5 mm²
AWG 22...12

Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 6.5	

with assembly plate MPL

dekafix 6.5

EG 5 - Fig. VII

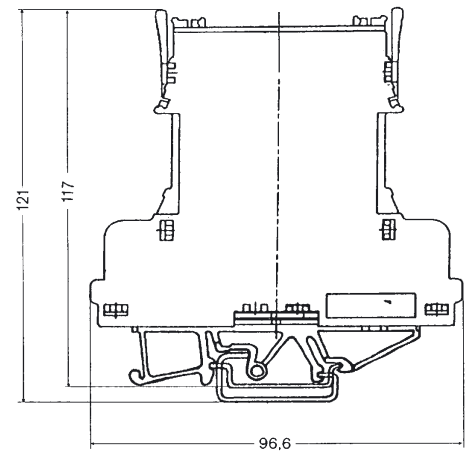


22.5 mm
17 mm

0.5...4 mm²
0.5...2.5 mm²
AWG 22...12

Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 6.5	

SEG-U/LPU

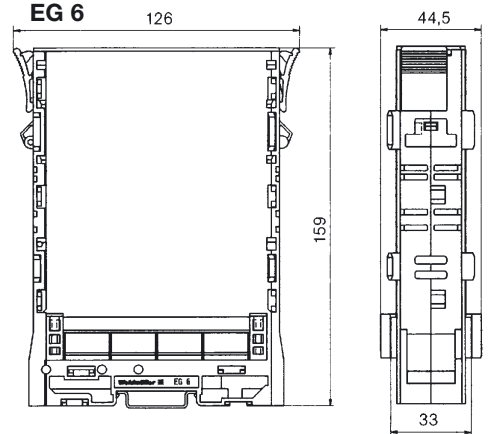


20 mm
17 mm

0.5...4 mm²
0.5...2.5 mm²
AWG 26...14

Type	Cat. No.
TS 32	0122800000
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EKW 2	0199360000
EW 35	0383560000
QD 50/grey	0238700000
dekafix 5	

EG 6

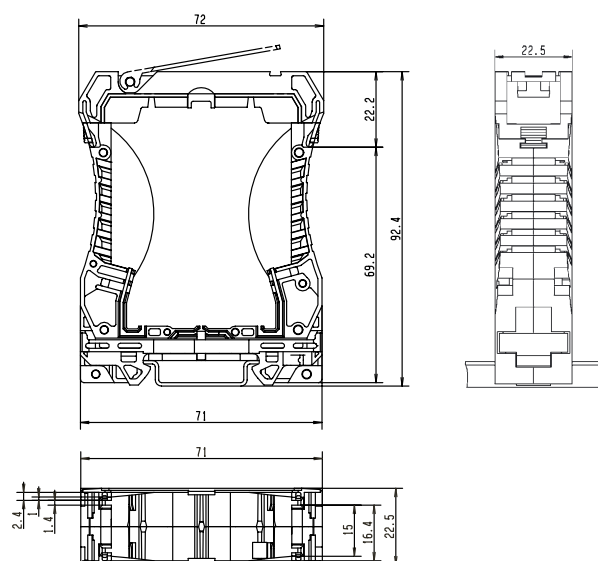


Anreihmaß

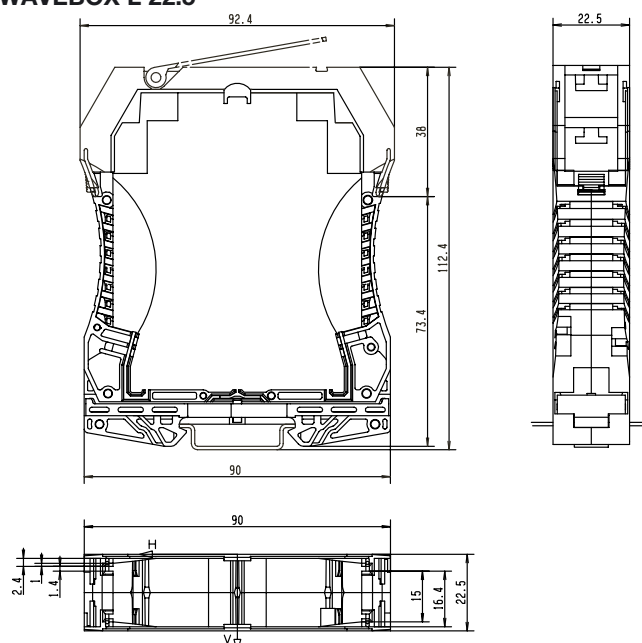
Type	Cat. No.
TS 35 x 7.5	0383400000
TS 35 x 15	0498000000
EW 35	0383560000
dekafix 6.5	

Housings

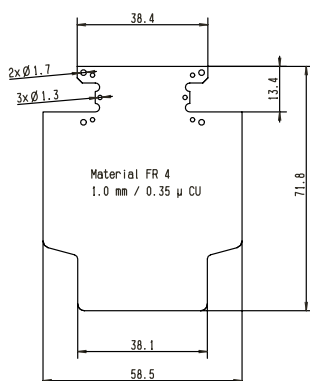
WAVEBOX S 22.5



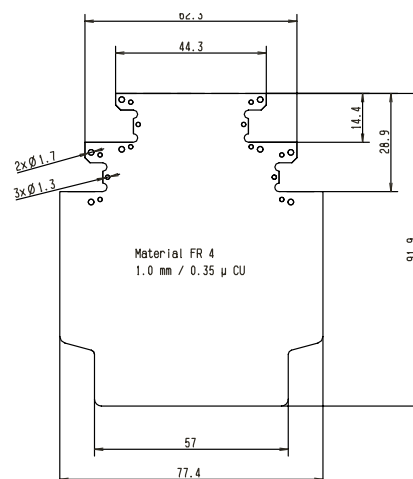
WAVEBOX L 22.5



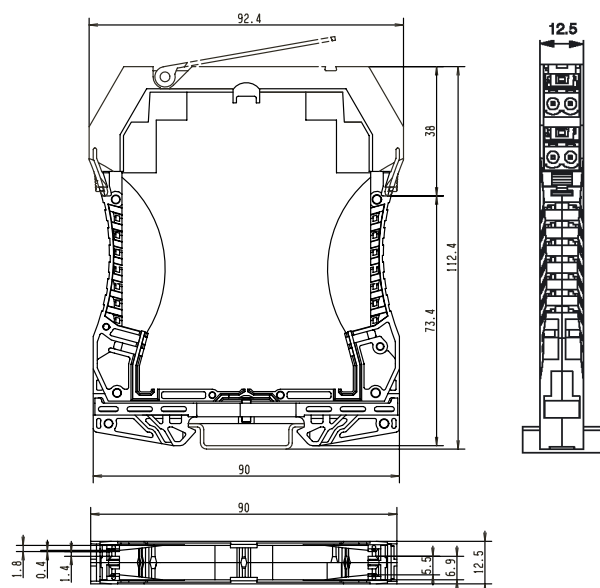
Printed circuit board S 22.5



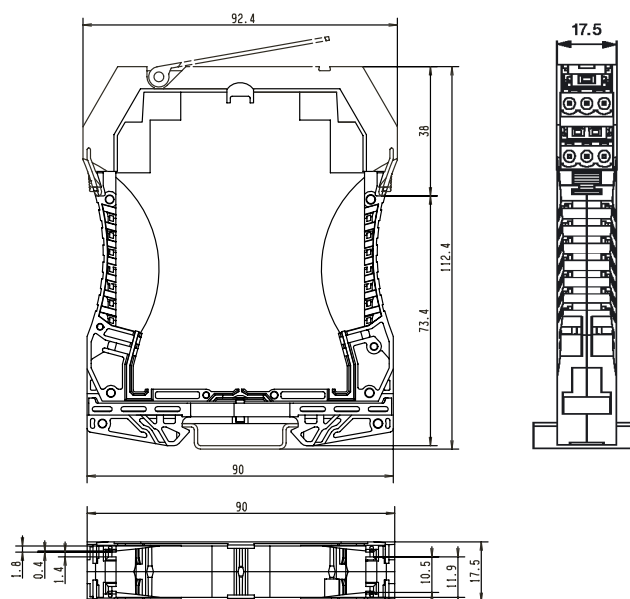
Printed circuit board L 22.5



WAVEBOX 12.5



WAVEBOX 17.5



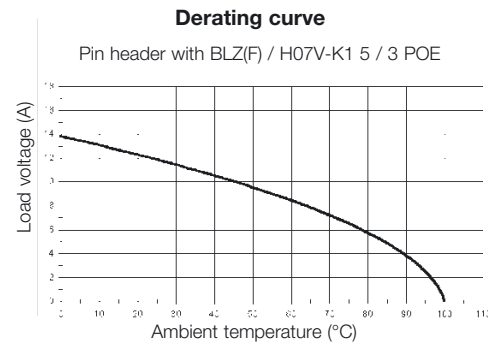
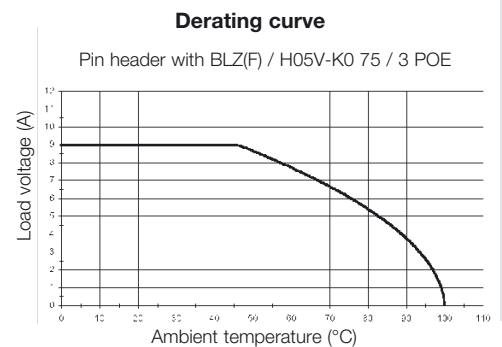
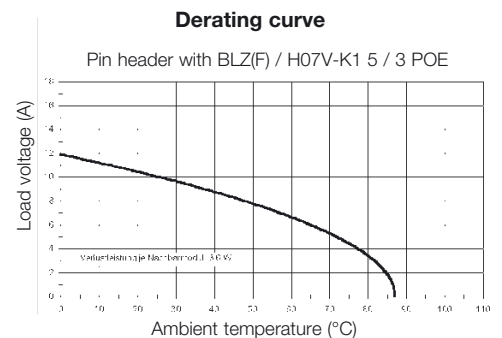
Housings

Socket blocks BLZ 5.08 / BLZF 5.08

Materials data	BLZ 5.08/SL 5.08	BLZF 5.08
Insulating material	PBT	PBT
Colour	orange	orange
Temperature range	-20.. +100 °C	-20.. +100 °C
Flammability class	UL 94 (VO)	UL 94 (VO)
Contact base material	CuSn	CuSn
Contact surface	tin plated	tin plated
Characteristic system values		
Pitch	5.08 mm	5.08 mm
Clearance	≥ 2.5 mm	≥ 3 mm
Creepage distance	≥ 4.0 mm	≥ 4.0 mm
Connection technology	Screw/solder connection	Tension clamp connection
Length of soldering pin	3.2/4.5 mm	
Mounting hole	∅ 1.3 + 0.1 mm	
Insulating stripping length	7 mm	7 mm
Terminal screw	M 2.5	
Isolations resistance	≥ 10 MΩ	≥ 10 ⁵ MΩ
Trough resistance	≤ 5 mΩ	≤ 5 mΩ
Connectable wires		
Terminal range	0.08...2.5 mm ²	1.5 mm ²
"e" solid H05(07)V-U	0.5...2.5 mm ²	0.13...1.5 mm ²
"f" flexible H05(07)V-K	0.5...2.5 mm ²	0.13...2.5 mm ²
"f" with ferrules		
according to DIN 46228/1	0.5...2.5 mm ²	0.05...2.5 mm ²
with plastic collar		
according to DIN 46228/4	0.5...1.5 mm ²	1.5 mm ²
AWG wire	28...14	26...14
Plug gauge acc. to EN 60947-1/10.91	A3	
Rated data according to VDE		VDE 0110 2.79
Rated cross-section	2.5mm ²	2.5mm ²
Rated current	12A ¹⁾	12A ¹⁾
Current capacity	see derating curves ²⁾	see derating curves ²⁾
Test voltage	2.0 kV~	2.0 kV~
Nominal torque	0.5 Nm	
Rated data according to		VDE 0110 1.89
Rated cross-section		1.5mm ²
Rated current (T _u =20°C)		12A ³⁾
Rated voltage		250 V
Rated impulse voltage		4 kV
Pollution severity		3
Rated data according to UL	Rated data according to UL	
AWG wire	22...12	26...14
Rated current	10 A	10 A
Rated voltage, industriell	300 V~	300 V~
Operation tool		
Screwdriver type SD/SDI 5		
Approvals		
	List on request	Applied for

¹⁾ Rated cross-section and max. number of poles established from derating curve at 20 °C ambient temperature

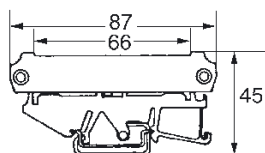
²⁾ Further derating curves on demand



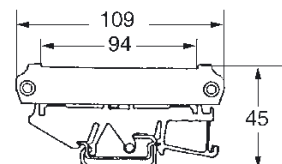
Housings

Locking socket profiles RS

RS 80

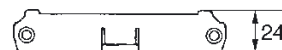


RS 100

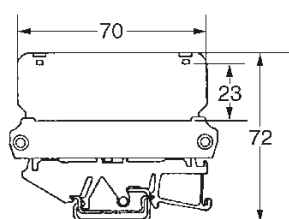
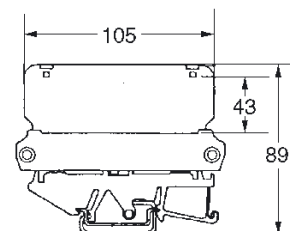


Rail mounting without cover

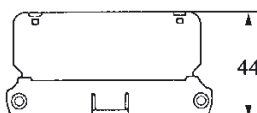
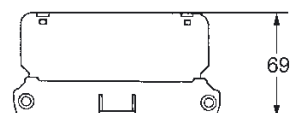
Direct mounting without cover



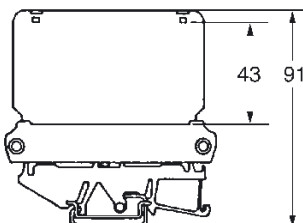
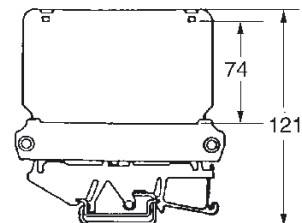
Rail mounting with low cover



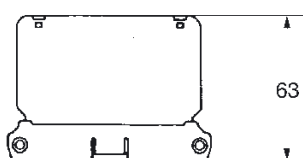
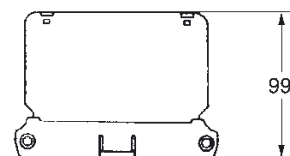
Direct mounting with low cover



Rail mounting with high cover

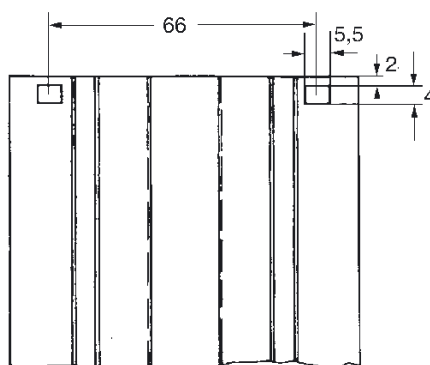


Direct mounting with high cover

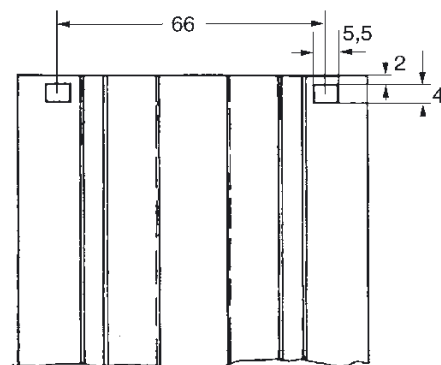


Fixing holes

ADP 5 / ADP 6



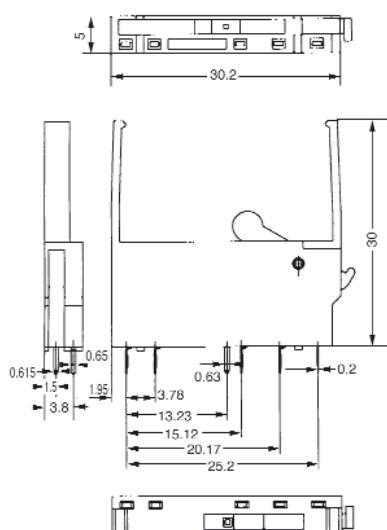
ADP 10 / ADP 11



Housings

Pluggable relay socket RSS 5MM

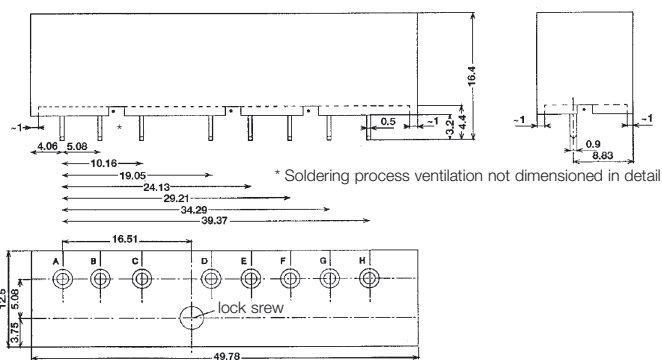
- Suitable for PCB mounting
- For miniature all-or-nothing relays type *Tyco* SNR, *NAIS* APE ...
- Mechanical interlock with eject lever



Ordering data		Type	Cat. No.
		RSS 5 MM	4056360000
Technical data			
Input voltage		250 V	
Output voltage		250 V	
Max. switching current		6 A	
Rated current		5 A	
Flammability class acc. to UL 94		V-2	
Insulation coordination acc. to EN 50178			
Rated voltage		250 V	
Rated impulse voltage			
Input circuit		4 kV (1.2/50 µs)	
Output circuit		4 kV (1.2/50 µs)	
Input < output		< 8 kV (1.2/50 µs)	
Overvoltage category		III	
Pollution severity		2	
Ambient conditions			
Ambient temperature		- 25°C ... + 50°C	
Storage temperature		- 40°C ... + 85°C	
Dimensions			
Length / width / height		30.2 / 5 / 30 mm	
Soldering pin		3.5 mm	

Semi-wire relay socket OS 2 and OS 2/5

- Suitable for PCB mounting
- For solid state relays Type *Opto 22*, *Crouzet* ...
- Secured in socket by fixing screws integrated in the module



Ordering data		Type	Cat. No.
		OS2	9455210000 ¹⁾
		OS2/5	9457640000 ²⁾
Technical data			
Input voltage		250 V	
Output voltage		250 V	
Rated current		5 A	
Flammability class acc. to UL 94		V-2	
Insulation coordination acc. to EN 50178			
Rated voltage		250 V	
Rated impulse voltage			
Input circuit		4 kV (1.2/50 µs)	
Output circuit		4 kV (1.2/50 µs)	
Input < output		< 8 kV (1.2/50 µs)	
Overvoltage category		III	
Pollution severity		2	
Ambient conditions			
Ambient temperature		- 25°C ... + 50°C	
Storage temperature		- 40°C ... + 85°C	
Dimensions			
Length / width / height		49,78 / 12.5 / 13.2 mm	
Soldering pin		3.2 mm	

¹⁾ equipped with with contact sockets B, C, F, H