# Mounting rails

The mounting rail can also be used as a protective busbar. Weidmüller protective conductor terminals of the W, Z, I, AKZ and SAK series meet the requirements specified in IEC 60947-7-2. In accordance with VDE 0100 Part 540, at conductor cross-sections of 10 mm^2 and more, protective conductor and neutral conductor can be combined into one line with the symbol PEN. If mounting rail is used as a PEN busbar, the following criteria must be observed:

• Only E-Cu or aluminium profiles may be used

• The short-circuit currents and the rated terminal currents must be observed

• The mounting rails must be insulated for the protective measure, "protective insulation".

Depending on the various applications, the mounting rails are made of steel, aluminium or copper. All steel versions are electroplated and additionally passivated with a yellow chromate coating. All mounting rails are available in pieces of 1 and 2 m length. All non-slotted mounting rails can be provided with fixing holes (please state dimensions b and l2). Additionally, all non-slotted steel rails can be supplied with welded steel bolts (please state dimensions "a" and the desired bolt).
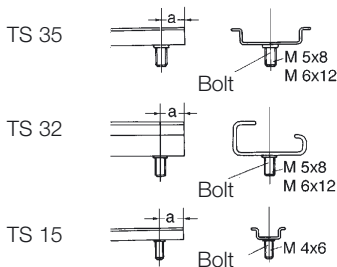
TS 35 x 7.5 Steel, stainless steel

TS 35 x 7.5 Aluminium

TS 35 x 15 Steel

TS 35 x 15/2.3 Steel

TS 35 x 7.5 Steel slotted

TS 35 x 15 Steel slotted

TS 35 x 15/2.3 Copper

TS 35

TS 32

TS 15

Bolt
M 5x8
M 6x12

Bolt
M 5x8
M 6x12

Bolt
M 4x6
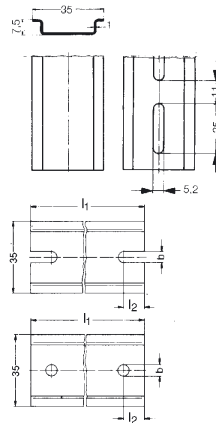
Fixing holes
b iaw. specs (ø 3.5/4.5/5.5/7)
l2 iaw. specs
l1 to 2 m
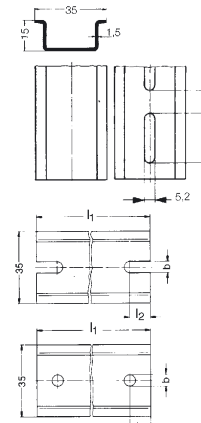
Fixing holes
for TS 35 x 15, Steel
b iaw. specs (ø 3.5/4.5/5.5/7)
l2 iaw. specs
l1 to 3 m
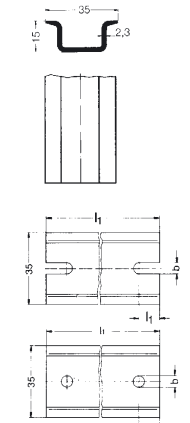
Fixing holes
b iaw. specs (ø 3.5/4.5/5.5/7)
l2 iaw. specs
l1 to 3 m

Ordering data

				Type	Cat. No.	Qty.		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Stainless steel X5 CrNi 18-10 , l = 2 m				TS 35 x 7.5	**1747350000**	10 m							
Steel, l = 2 m				TS 35 x 7.5	**0383400000**	10 m		TS 35 x 15	**0236400000** 10m		TS 35 x 15	**0498000000** 10m	
Steel, l = 1 m											TS 35 x 15	**0498010000** 10m	
Steel slotted, l = 2 m				TS 35 x 7.5	**0514500000**	10 m		TS 35 x 15	**0236500000** 10m				
Steel slotted, zinc-plated, l = 2 m				TS 35 x 7.5	**7915060000**	10 m		TS 35 x 15	**7907490000** 10m				
Steel slotted, l = 1 m				TS 35 x 7.5	**0514510000**	10 m		TS 35 x 15	**0236510000** 10m				
Alu, l = 2 m				TS 35 x 7.5	**0330800000**	10 m							
Alu slotted													
Cu											TS 35 x 15	**0270100000** 10m*	
PVC grey													

Technical data

			Steel	Alu			Steel			Steel	Copper	
Material			St 2 zinc-plated	AL blank			St 2 zinc-plated			St 2 zinc-plated	Cu, blank	
Standard			DIN EN 50022	DIN EN 50022						DIN EN 50022		
Short-circuit proof ≙ E-Cu-conductor (IEC 60 947-7-1)			16 mm^2	35 mm^2			25 mm^2			50 mm^2	150 mm^2	
Max. permissible rated current for PEN function				125 A							309 A	

End bracket

	EW 35	**0383560000**	50		EW 35	**0383560000** 50		EW 35	**0383560000** 50			
	WEW 35/1	**1059000000**	50		WEW 35/1	**1059000000** 50		WEW 35/1	**1059000000** 50			
	WEW 35/2	**1061200000**	50		WEW 35/2	**1061200000** 50		WEW 35/2	**1061200000** 50			

For slotted TS 32 rail

Mounting rails support

(M 5 thread)	TSTW 5	**0178100000**	10		TSTW 5	**0178100000** 10		TSTW 5	**0178100000** 10			
(M 6 thread)	TSTW 6	**0164000000**	10		TSTW 6	**0164000000** 10		TSTW 6	**0164000000** 10			
(M 6 thread)	TST 2	**0101700000**	10		TST 2	**0101700000** 10		TST 2	**0101700000** 10			

Fixing screw

With hexagon socket for TSTW and TST

FKSC M 6 x 12	**0353500000**	50		FKSC M 6 x 12	**0353500000** 50		FKSC M 6 x 12	**0353500000** 50			
FKSC M 6 x 8	**0642600000**	50		FKSC M 6 x 8	**0642600000** 50		FKSC M 6 x 8	**0642600000** 50			
FKSC M 5 x 8	**0295900000**	50		FKSC M 5 x 8	**0295900000** 50		FKSC M 5 x 8	**0295900000** 50			

Mounting foot

Steel with M 4 thread	FM 4	**0687900000**	40		FM 4	**0687900000** 40		FM 4	**0687900000** 40		
PA 66 orange	Mounting foot	**0646260000**	20		Mounting foot **0646260000** 20							
With M 3 and M 5 thread (cream)												

Support block

SH 2	**0494920000**	10		SH 2	**0494920000** 10		SH 2	**0494920000** 10			

Locking pin

Locking pin, CuNi (length as desired)

Locking pin, brass (length as desired)

* Available in length of 1 or 2 m