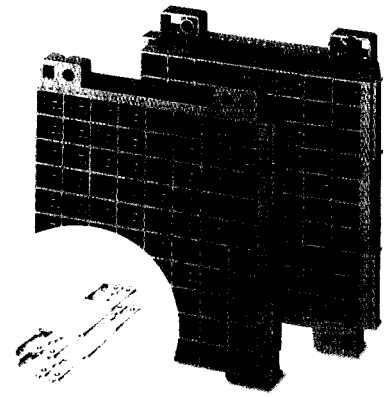
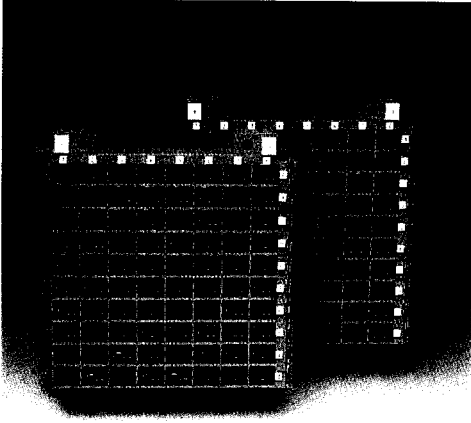


# Multiway Connector Block for Tab Connection and Solder Connection



**W 80/80**

80-position with 6.3/2.8 mm tabs

I [A] U [V]  
16 1000  
1) 1)

Connection data  
Tab connection 6.3/2.8 x 0.8 mm

## General

High packing density, a practical connection principle and easy mounting are the main features of these multiway connector blocks.

According to the 8-bit pattern, 10 rows of 8 chambers are arranged horizontally in the multiway block housing.

The multiway connector blocks are available with the following connection techniques and combinations of these:

- 6.3/2.8 mm tab connection,
- solder connection,
- Wire-Wrap® (WW) connection,
- TERMI-POINT® (TP) connection and
- spring force connection.

Each multiway connector element can be marked with the standard labels, while the individual chamber coordinates are marked with marker pins.

The potential busbar is subsequently inserted in grooves in the fitted multiway block. This allows the reference voltage levels such as supply voltage, control ground or shielding to be comfortably supplied at any point.

## Assembly

The anti-torsion polyamide housing is provided with 4 mounting flanges which overlap neighboring multiway connector blocks and simplify fitting. This means dimensionally accurate mounting with one screw for two flanges.

Using the W 80-T/AL-NS 35 holder for the multiway connector block, any number of blocks can be aligned next to each other on the top hat rails, NS 35/7.5, NS 35/15 or NS 35/15-2,3. The holder is made of aluminum and is fixed on the top hat rail in a pitch matching the dimensions of the multiway connector block (see dimensional drawing on page 215).

If multiway connector blocks are to be mounted adjacently and on the top of each other, a supporting frame of 10 x 10 mm profiles is necessary (see constructional drawing on page 215).

## Description

**Multiway connector block, 80-pos., one metal part per chamber, with three 6.3/2.8 mm tabs on each side**

**Multiway connector block, 160-pos., two metal parts per chamber, with two 2.8 mm tabs on each side**

**Multiway connector block, 80-pos., one metal part per chamber, three 6.3/2.8 mm tabs on the one side, two 6.3/2.8 mm tabs and one solder connection on the other side**

**Multiway connector block, 160-pos., two metal parts per chamber, with two 2.8 mm tabs on the one side, with a 2.8 mm tab and one solder connection on the other side**

(1) **Holder**, for mounting on NS 35, for fixing multiway connector blocks, aluminum, dimensions see drawing on page 215

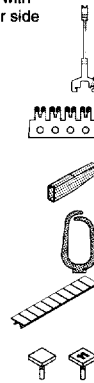
(2) **Potential busbar**, with slotted 6.3/2.8 mm tabs, brass, tin-plated, length: 1 m

(3) **Plastic sheath** 4), as touch protection, slide onto conductor for 6.3 receptacles before fitting for 2.8 receptacles

(4) **Guide ring**, plastic, for looming wires; screwed to supporting frame, 6 mm Ø hole

(5) **Zack strip**, 10-section, white

(6) **Marker pin**, plastic  
**unprinted:** for labelling with marker pen,  
**printed:** with 1, 2 or 3 characters, white



## Type

W 80/80-FS/FS (12-2,8-0,8)

W 80-T/AL-NS 35

S-FS (2,8x0,8)

PT/FS 6,3

PT/FS 2,8

W 80-FR

ZB 6 (order data, see page 263)

BN WH

BNB WH...<sup>3)</sup>

Order No.	Pcs. Pkt.
06 11 01 7	5
06 14 19 5	2
31 91 69 9	1
06 04 70 7	500
14 06 70 0	500
06 14 00 1	10
14 01 40 4	100
14 01 41 7	100

see dimensional drawing on page 259

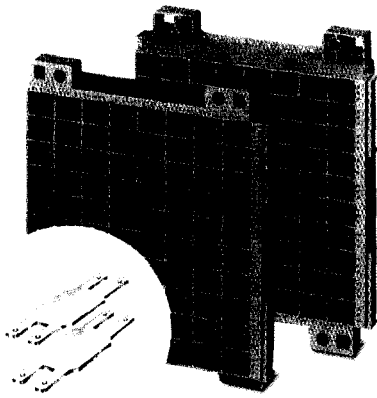
## Dimensions

### Technical data in accordance with IEC/ DIN VDE

Total current per metal part	[A]	16
Rated surge voltage / contamination class	[kV] / -	8 / 3
Surge voltage category / insulation material group	- / -	III / I
<b>Connection capacity</b>		
stranded with 2.8 mm receptacles	[mm <sup>2</sup> ]	2)
stranded with 6.3 mm receptacles	[mm <sup>2</sup> ]	2)
<b>Insulation material</b>		
Inflammability class acc. to UL 94		PA-F
Temperature indices RTI / Ti		HB
		120 / 145

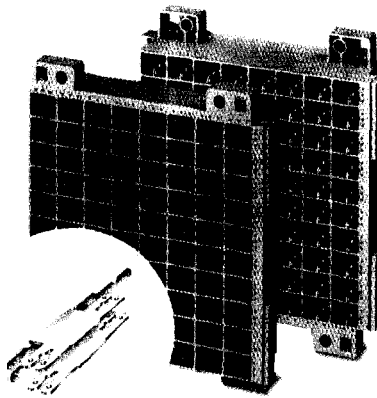
<sup>1)</sup> Current and voltage data for tab connections in acc. with EN 61 210 are also dependent on nom. size, material and insulation of the receptacle, and also on the conductor cross section.

<sup>2)</sup> Dependent on the receptacle.



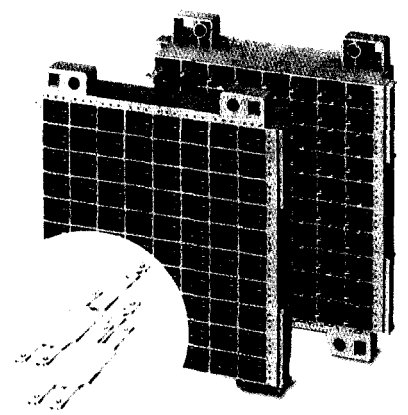
### W 80/160

160-position with 2.8 mm tabs



### W 80/80-FS/LOE

80-position with 6.3/2.8 mm tabs  
and one single-sided solder connection



### W 80/160-FSI/LOE

160-position with 2.8 mm tabs  
and one single-sided solder connection

	I		U		(IEC)	rigid solid	flexible stranded	AWG	I		U	
	[A]	[V]	[A]	[V]					[A]	[V]		
Connection data	16	400	16	400				16	400	16	400	
Tab connection 2.8 x 0.8 mm	1)	1)	1)	1)		0.2-1.5	0.2-1.5	24-16	16	400	16	400
Tab connection 6.3/2.8 x 0.8 mm									1)	1)	1)	1)

Type	Order No.	Pcs. Pkt.	Type	Order No.	Pcs. Pkt.	Type	Order No.	Pcs. Pkt.
W 80/160-FSI/FSI (4-2,8-0,8)	06 12 01 6	5	W 80/80-FS/LOE 1	06 11 02 0	5	W 80/160-FSI/LOE	06 12 02 9	4
V 80-T/AL-NS 35	06 14 19 5	2	W 80-T/AL-NS 35	06 14 19 5	2	W 80-T/AL-NS 35	06 14 19 5	2
S-FS (2,8x0,8) $I_{max}: 40 A$	31 91 69 9	1	S-FS (2,8x0,8) $I_{max}: 40 A$	31 91 69 9	1	S-FS (2,8x0,8) $I_{max}: 40 A$	31 91 69 9	1
PT/FS 6,3	06 04 70 7	500	PT/FS 6,3	06 04 70 7	500	PT/FS 6,3	06 04 70 7	500
PT/FS 2,8	14 06 70 0	500	PT/FS 2,8	14 06 70 0	500	PT/FS 2,8	14 06 70 0	500
W 80-FR	06 14 00 1	10	W 80-FR	06 14 00 1	10	W 80-FR	06 14 00 1	10
ZB 6 (order data, see page 263)			ZB 6 (order data, see page 263)			ZB 6 (order data, see page 263)		
BN WH	14 01 40 4	100	BN WH	14 01 40 4	100	BN WH	14 01 40 4	100
BNB WH:... <sup>3)</sup>	14 01 41 7	100	BNB WH:... <sup>3)</sup>	14 01 41 7	100	BNB WH:... <sup>3)</sup>	14 01 41 7	100

see dimensional drawing on page 259

see dimensional drawing on page 259

see dimensional drawing on page 259

16  
6 / 3  
III / I  
  
3)  
3)  
PA-F  
HB  
120 / 145

16  
6 / 3  
III / I  
  
3)  
3)  
PA-F  
HB  
120 / 145

16  
6 / 3  
III / I  
  
3)  
3)  
PA-F  
HB  
120 / 145

<sup>3)</sup> Required marking is to be specified.

<sup>4)</sup> For conductors up to 1.5 mm<sup>2</sup>.