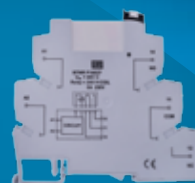
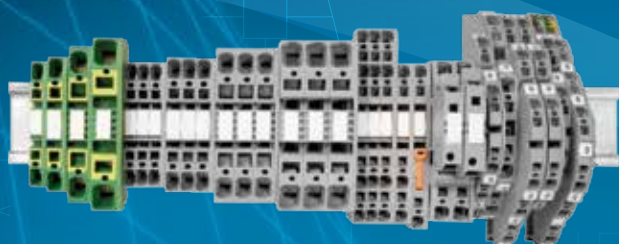




Controls



# TERMINAL BLOCKS







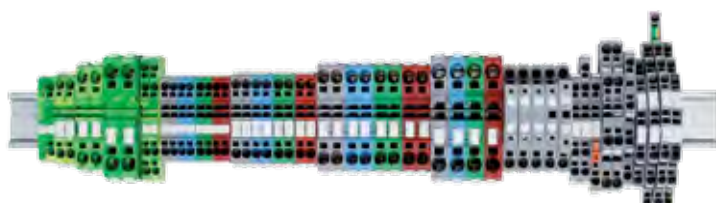
## Terminal Blocks



# TERMINAL BLOCKS

## Summary

Index	4-7	BTWR Series	39
Terminal Blocks	8	BTWK/BTWY Series	43
BTWP Series	12	Busbar Connectors	46
BTWI Series	22	PWA3 & PWA4 Plotting Systems	47
BTWM Series	29	PWEA4 Engraving System	48
BTWO Series	36	Identifiers	49

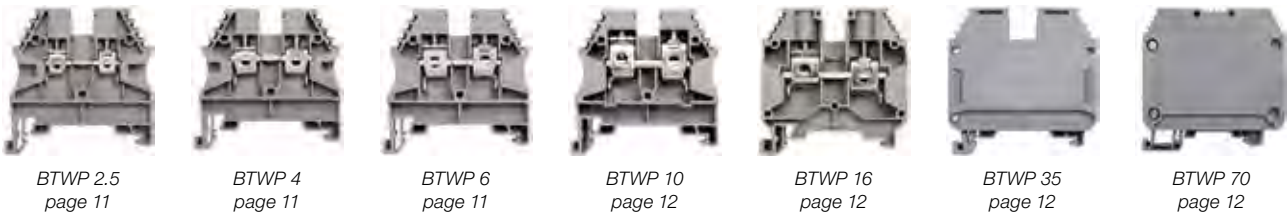




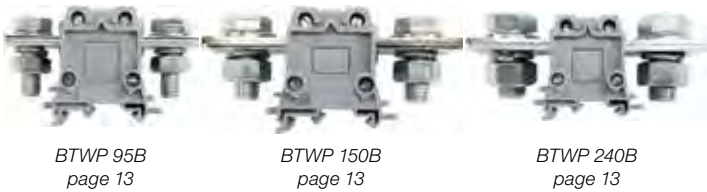


# Index - BTWP/ BTWD/ BTWT/ BTWS/BTWA Screw Type Connection

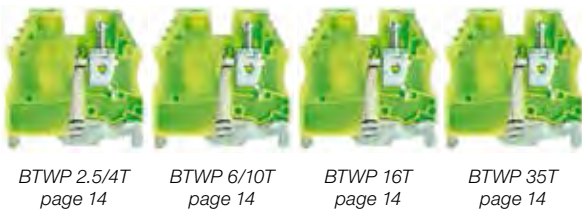
## Terminal Blocks



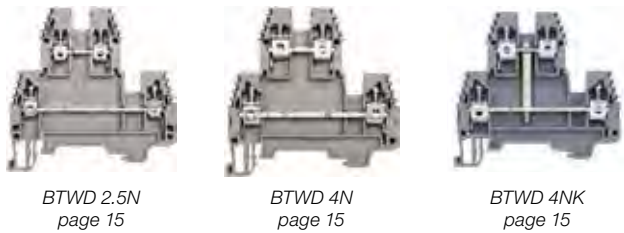
## Power Terminal Blocks



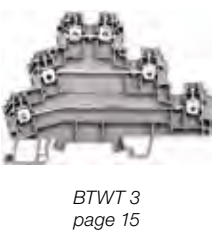
## Ground Terminal Blocks



## Double Terminal Blocks



## Triple Terminal Block



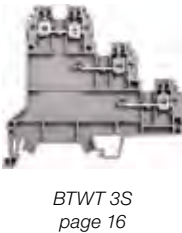
## Double Terminal Block + Ground



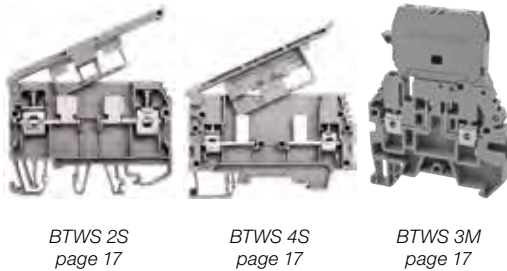
## Triple Terminal Block + Ground



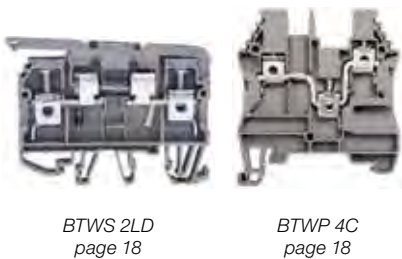
## Terminal Block for Sensors



## Terminal Blocks for Fuses



## 1In-2Out Terminal Block



## Disconnect Terminal Block



## Disconnect / Test Terminal Block



## Diode Terminal Block





# Index - BTWI Spring Clamp Type Connection (Push-In)

## Terminal Blocks



BTWI 2.5  
page 21



BTWI 4  
page 21



BTWI 6  
page 21



BTWI 10  
page 21

## Ground Terminal Blocks



BTWI 2.5T  
page 22



BTWI 4T  
page 22



BTWI 6T  
page 22



BTWI 10T  
page 22

## Double Terminal Blocks



BTWI 2.5-2F  
page 23



BTWI 4-2F  
page 23



BTWI 4-2FK  
page 23

## Triple Terminal Blocks



BTWI 2.5-3F  
page 23

## Double Terminal Block + Ground



BTWI 2.5-2FT  
page 24

## Triple Terminal Block + Ground



BTWI 2.5-3FT  
page 24

## Terminal Block for Sensors



BTWI 3S  
page 24

## Disconnect Terminal Block



BTWI 2.5A  
page 25

## Terminal Blocks for Fuses



BTWI S  
page 25



BTWI SLD  
page 25



BTWI I  
page 25

## 1In-2Out Terminal Block



BTWI 2.5E  
page 26

## 2In-2Out Terminal Block



BTWI 2.5C  
page 26

## Double Ground Terminal Block

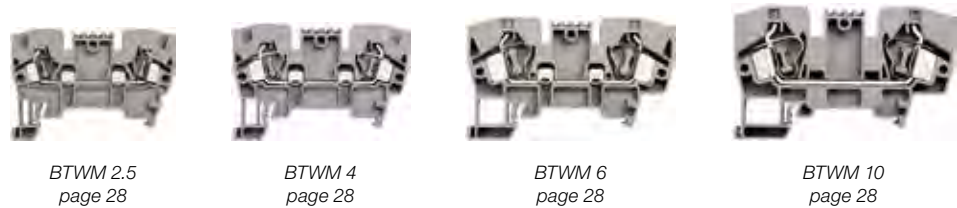


BTWI 2.5CT  
page 26



# Index - BTWM - Spring Clamp Type Connection

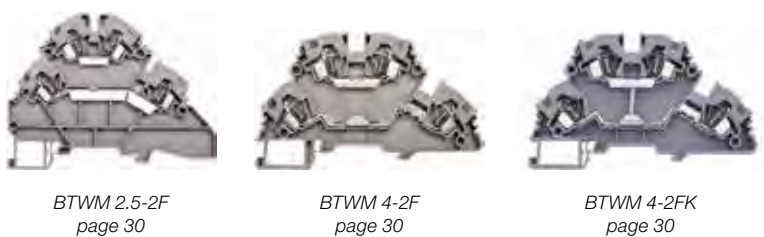
## Terminal Blocks



## Ground Terminal Blocks



## Double Terminal Blocks



## Triple Terminal Blocks



## Double Terminal Block + Ground



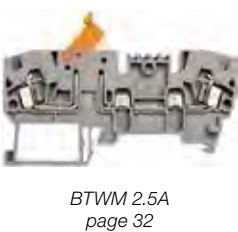
## Triple Terminal Block + Ground



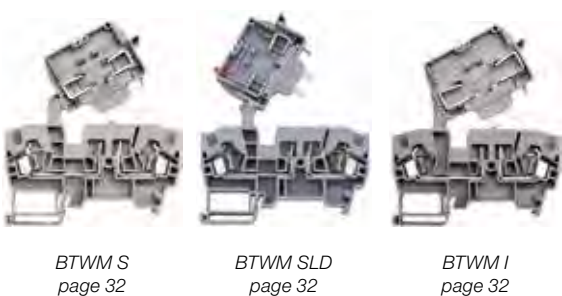
## Terminal Block for Sensors



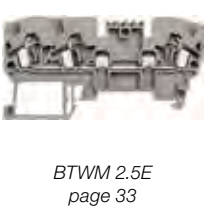
## Disconnect Terminal Block



## Terminal Blocks for Fuses



## 1In-2Out Terminal Block



## 2In-2Out Terminal Block



## Double Ground Terminal Block



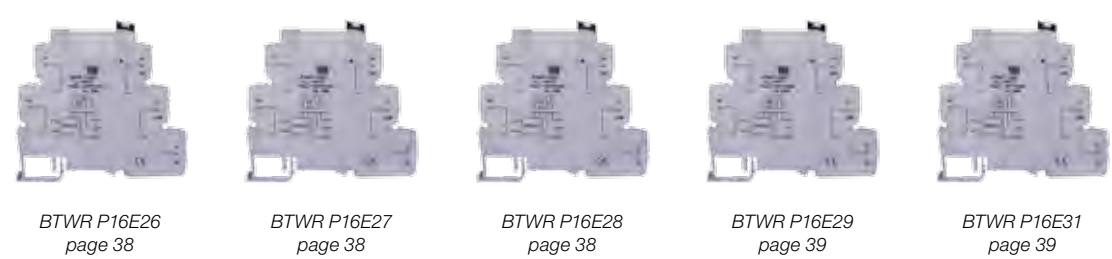
# Index - BTWO - Screw Type for Ring and Fork Connectors

## Terminal Blocks



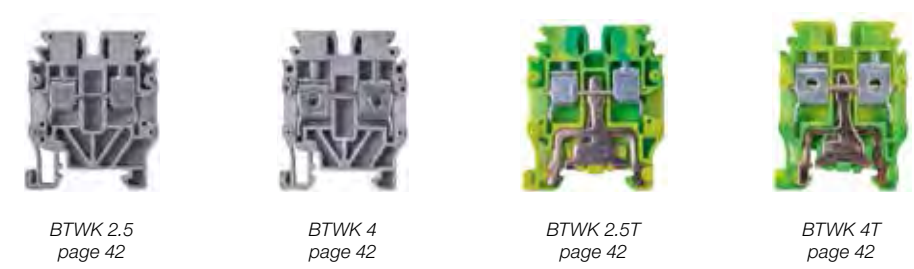
# Index - BTWR

## Interface Relay



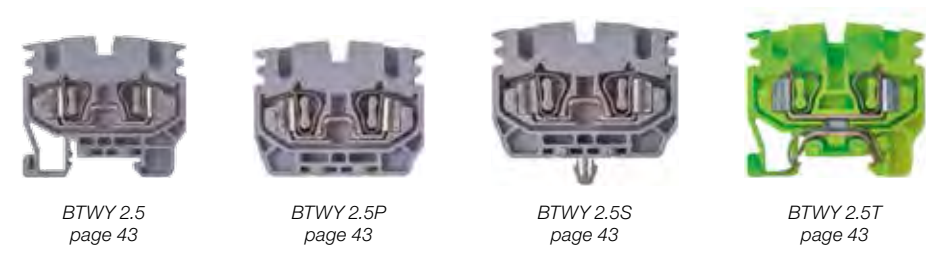
# Index - BTWK

## Mini Terminal Blocks with Screw Type Connection



# Index - BTWY

## Mini Terminal Blocks with Spring Clamp Type Connection







## Terminal Blocks

Terminal blocks are devices designed to provide a safe means of electrical and mechanical connection to the majority of the electrical conductors. Among all available connectors, terminal blocks are the most commonly used due to their specific characteristics:

### Modularity

All models of terminal blocks are designed to side by side assembly, ensuring the best use of space within the panels.



### Easy Installation

They can be quickly and easily assembled on DIN rail reducing panel assembly time.



### Available in versions

- Type of terminals:
  - Screw
  - Spring clamp (push-in)
- Spring clamp
- Screw for cable with ring connector
- Screw for cable with fork connector

#### Screw Type



BTWP Series



BTWR Series



BTWK Series

#### Spring Clamp Type (Push-In)



BTWI Series



#### Spring Clamp Type



BTWM Series



BTWY Series

#### Screw Type for Ring and Fork Connectors



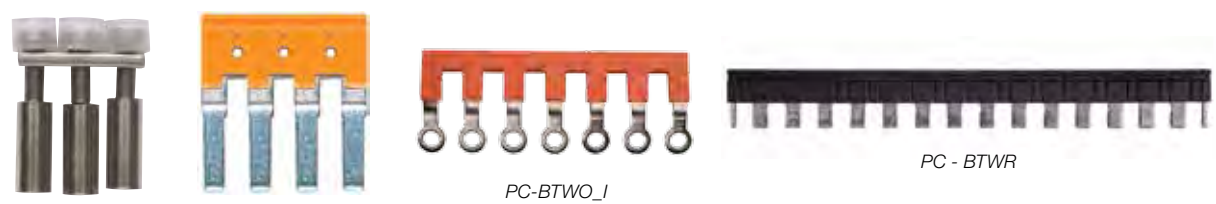
BTWO Series





# Wide Range of Accessories

- Connecting bridges, identifiers, DIN rail, end plate and end brackets.



## End brackets





## Conductors

Copper and aluminum conductors are used for the connection of terminals, however copper connectors are used more frequently.

These conductors are divided into two main categories:

- 1 Rigid conductors
- 2 Flexible conductors.

Conductors cross sections are distinguished into two standards: metric and AWG.

Metric mm <sup>2</sup>	AWG / kcmil	Equivalent cross-sectional area mm <sup>2</sup>
0.2	24	0.205
0.34	22	0.324
0.5	20	0.519
0.75	18	0.82
1	-	-
1.5	16	1.3
2.5	14	2.1
4	12	3.3
6	10	5.3
10	8	8.4
16	6	13.3
25	4	21.2
35	2	33.6
50	0	53.5
70	00	67.4
95	000	85
-	0000	107.2
120	250 kcmil	127
150	300 kcmil	152
185	350 kcmil	177
240	500 kcmil	253
300	600 kcmil	304

AWG: (American Wire Gauge) U.S. standard;  
1 kcmil: 1,000 cmils;  
1 cmil: (1 circular mil);  
1 mil: 1/1,000 inch.

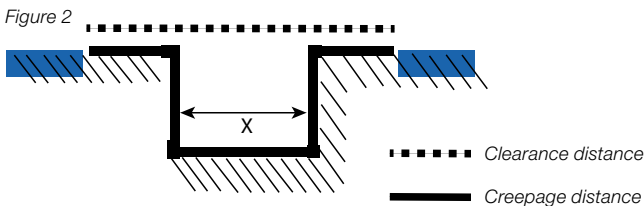
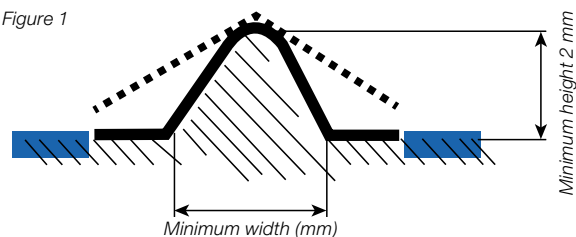
## Clearance and Creepage Distances

If the clearance distance is less than 3 mm, the smallest width of the groove can be reduced to 1/3 the distance of clearance.

The methods of measurement of clearance and creepage distances are specified in standard IEC 60947-1. Projections decrease creepage distances sharply, so the creepage distance has a projection greater than 2 mm which can be reduced by 80% (figure 1).

WEG terminals have pollution degree level 3, according to standard IEC 60947-1.

Level of Pollution	Minimum width "x" in mm
1	0.25
2	1.0
3	1.5
4	2.5





# Tightening Torques

For screw type terminals torque values are important. If the connector is tightened less than the required value, resistance and heating may appear. On the contrary, when extreme force is applied during fastening, the molecular structure of the metal would distort and heating could appear in conclusion. Therefore, if the nominal torque values according to IEC are applied, the probable risks would be eliminated.

Torques specified in table 4 of IEC 60947-1	Torque (Nm)		
	I	II	III
Screw diameters (mm)			
Screws with diameters less than 1.6 mm	0.005	0.1	0.1
1.6 - 2	0.1	0.2	0.2
2 - 2.8	0.2	0.4	0.4
2.8 - 3	0.25	0.5	0.5
3 - 3.2	0.3	0.6	0.6
3.2 - 3.6	0.4	0.8	0.8
3.6 - 4.1	0.7	1.2	1.2
4.1 - 4.7	0.8	1.8	1.8
4.4 - 5.3	1.2	2	2
5.3 - 6	2.5	2.5	3
6 - 8	-	3.5	6
8 - 10	-	4	10
10 - 12	-	-	14
12 - 15	-	-	19
15 - 20	-	-	25
20 - 24	-	-	36
Screws with diameters greater than 24 mm	-	-	50

Column I: applied for headless screws and other cavity-mounted screws - cannot be tightened with screwdrivers.  
Column II: applied to all screws that can be tightened with screwdrivers.  
Column III: applied to nuts and bolts that can be tightened by other devices.  
Ref.: IEC 60947-1 / IEC 60999-1.  
WEG applies tests to their screw terminals with twice the tightening torque specified in IEC.

# Certification



- 1 Protection Symbol - Ex
- 2 International certification number against explosion
- 3 Reference standard
- 4 a Equipment group II  
b Product category 2 - for use in zone I and/or II  
c Approval for applications in gas (G) and dust (D) containing environments  
d Class "e" as it has a higher safety category
- 5 Nominal voltage and current values
- 6 Name of certifying entity
- 7 BV/INMETRO certification





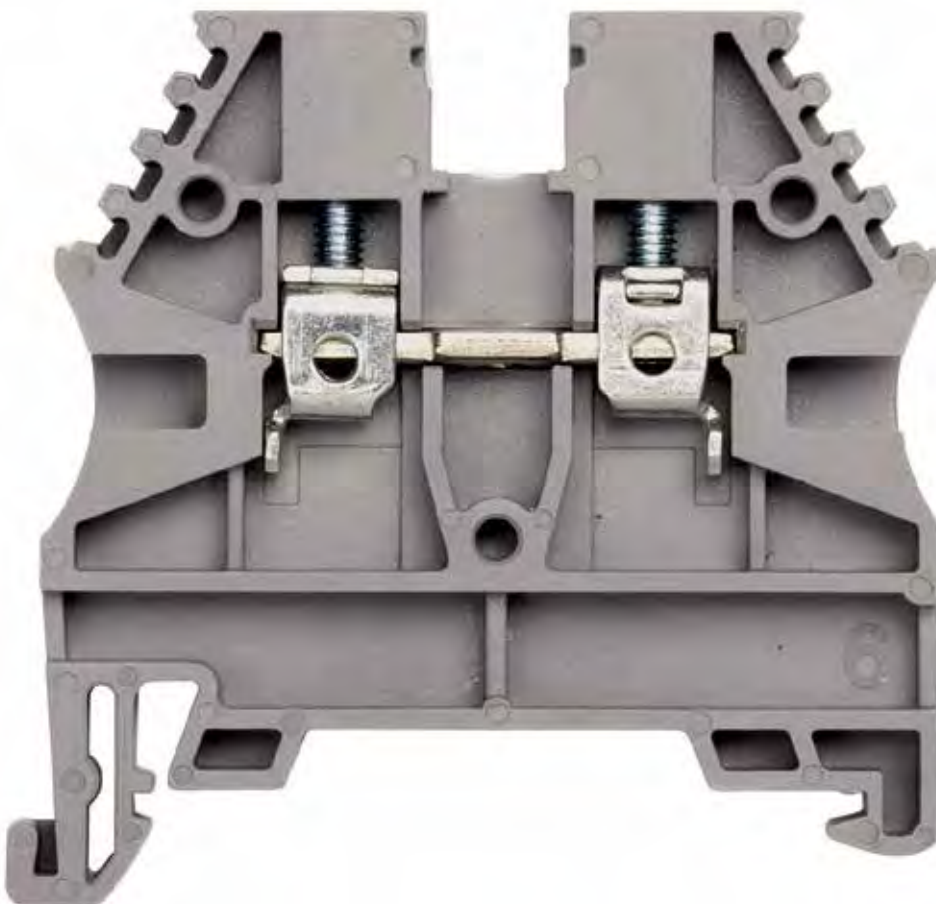
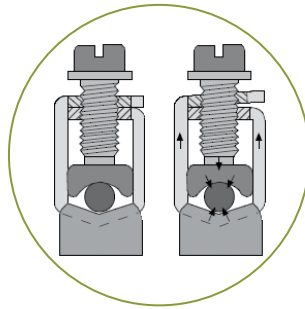
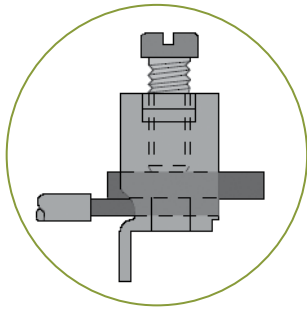
## BTWP Series - Screw Type Terminal Block

The BTWP series terminal blocks use a screw type connection technique. It is simple to use: remove the isolation from the conductor, insert the conductor into the terminal block and tighten the screw with a properly screwdriver. The length of the isolation to be removed and the tightening torque for each terminal block model is shown in the selection guides.

When the screw is tightened, the resulting pressure causes a deformation in the terminal which locks the screw preventing it from loosening. This system ensures connection and quality with minimum electrical losses.

### Main Features of BTWP Series

- Terminal block body in PA66 polyamide, with excellent dielectric properties and high mechanical resistance
- Internal conductor element with high current conduction capacity
- Conical-shaped cable entry to facilitate insertion
- Unlosable screw
- Certification for classified areas (EX, ATEX, IECEx)





# Selection Guide - Screw Type Connection

## BTWP Series - Terminal Blocks

		<b>BTWP 2.5</b> 5 mm wide  CE C <sub>ES</sub>  ATEX IECEx		 44.2	<b>BTWP 4</b> 6 mm wide  CE C <sub>ES</sub>  ATEX IECEx		 44.2	<b>BTWP 6</b> 8 mm wide  CE C <sub>ES</sub>  ATEX IECEx		 44.2
Technical data		Voltage / Current / Cross section								
IEC 60947-7-1		750 V~ / 24 A / 2.5 mm <sup>2</sup>		750 V~ / 32 A / 4 mm <sup>2</sup>		630 V~ / 41 A / 6 mm <sup>2</sup>				
UL / CSA		600 V~ / 20 A / AWG 26...12		600 V~ / 30 A / AWG 26...10		600 V~ / 50 A / AWG 26...8				
Cable stripping		10 mm		10 mm		12 mm				
Tightening torque		0.4 Nm		0.5 Nm		0.8 Nm				
Connection capacity										
Rigid wire		0.5...4 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...10 mm <sup>2</sup>				
Flexible cable		1.5...2.5 mm <sup>2</sup>		1.5...4 mm <sup>2</sup>		1.5...6 mm <sup>2</sup>				
AWG conductor		26...12		26...10		26...8				
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
	Grey	BTWP 2.5	100	BTWP 4	100	BTWP 6	100			
	Blue	BTWP 2.5-AZ	100	BTWP 4-AZ	100	BTWP 6-AZ	100			
	Green	BTWP 2.5-VD	100	BTWP 4-VD	100	BTWP 6-VD	100			
	Red	BTWP 2.5-VM	100	BTWP 4-VM	100	BTWP 6-VM	100			
End plate / partition board	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
	Grey	TF-BTWP 2.5-10	100	TF-BTWP 2.5-10	100	TF-BTWP 2.5-10	100			
	Blue	TF-BTWP 2.5-10-AZ	100	TF-BTWP 2.5-10-AZ	100	TF-BTWP 2.5-10-AZ	100			
	Green	TF-BTWP 2.5-10-VD	100	TF-BTWP 2.5-10-VD	100	TF-BTWP 2.5-10-VD	100			
	Grey	PD-BTWP 2.5-10	25	PD-BTWP 2.5-10	25	PD-BTWP 2.5-10	25			
Separation plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
	Grey	PS1-BTWP	100	PS1-BTWP	100	PS1-BTWP	100			
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
	2	PC-BTWP 2.5/2	25	PC-BTWP 4/2	25	PC-BTWP 6/2	25			
	3	PC-BTWP 2.5/3	20	PC-BTWP 4/3	20	PC-BTWP 6/3	20			
	4	PC-BTWP 2.5/4	15	PC-BTWP 4/4	15	PC-BTWP 6/4	15			
	10	PC-BTWP 2.5/10	5	PC-BTWP 4/10	5	PC-BTWP 6/10	5			
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
 <i>PF3 PF4 PF5</i>	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100			
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100			
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100			
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
 DIN EN 50022	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars			
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25			
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50			
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25			
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack			
 <i>IDB5 IDG6/5 IDG10/5 IDG10/6</i>	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500				
	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400				
	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440				
				IDG10/6-BTW	360	IDG10/6-BTW	360			

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWP Series - Terminal Blocks








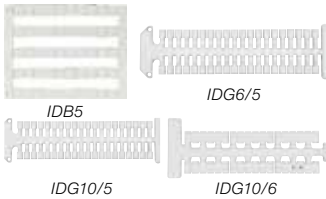
		<div>BTWP 10 10 mm wide</div> <div><div>44.2</div></div> <div><div>44.2</div></div>		<div>BTWP 16 12 mm wide</div> <div><div>55.5</div></div> <div><div>50.0</div></div>		<div>BTWP 35 16 mm wide</div> <div><div>55.5</div></div> <div><div>50.0</div></div>		<div>BTWP 70 22 mm wide</div> <div><div>67.5</div></div> <div><div>74.0</div></div>	
Technical data		Voltage / Current / Cross section							
IEC 60947-7-1		630 V~ / 57 A / 10 mm²		750 V~ / 76 A / 16 mm²		750 V~ / 125 A / 35 mm²		750 V~ / 192 A / 70 mm²	
UL / CSA		600 V~ / 65 A / AWG 16...6		600 V~ / 85 A / AWG 12...4		600 V~ / 115 A / AWG 10...2		600 V~ / 175 A / AWG 6...2/0	
Cable stripping		12 mm		16 mm		18 mm		20 mm	
Tightening torque		1.2 Nm		1.2 Nm		2.5 Nm		6 Nm	
Connection capacity									
Rigid wire		1.5...16 mm²		1.5...16 mm²		6...16 mm²		10...16 mm²	
Flexible cable		1.5...10 mm²		1.5...16 mm²		10...35 mm²		10...70 mm²	
AWG conductor		16...6		12...4		10...2		6...2/0	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWP 10	100	BTWP 16	50	BTWP 35	50	BTWP 70	10
	Blue	BTWP 10-AZ	100	BTWP 16-AZ	50	BTWP 35-AZ	50	BTWP 70-AZ	10
	Green	BTWP 10-VD	100	BTWP 16-VD	50	BTWP 35-VD	50	BTWP 70-VD	10
End plate / partition board	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
<div>1.5 mm wide</div> <div></div>	Grey	TF-BTWP 2.5-10	100	TF-BTWP 16	100	PD-BTW 35 CZ		-	
	Blue	TF-BTWP 2.5-10-AZ	100	TF-BTWP 16-AZ	100				
	Green	TF-BTWP 2.5-10-VD	100	TF-BTWP 16-VD	100				
	Red	TF-BTWP 2.5-10-VM	100	TF-BTWP 16-VM	100				
	Grey	PD-BTWP 2.5-10	25	PD-BTWP 16	25				
Separation plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
<div></div>	Grey	PS1-BTWP	100	-	-	-	-	-	-
Connecting bridge	Nr. poles		Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
<div></div>	2	PC-BTWP 10/2	25	PC-BTWP 16/2	25	PC-BTWP 35/2	25	-	
	3	PC-BTWP 10/3	20	PC-BTWP 16/3	20	PC-BTWP 35/3	20		
	4	PC-BTWP 10/4	15	PC-BTWP 16/4	15	PC-BTWP 35/4	15		
	10	PC-BTWP 10/10	5	PC-BTWP 16/10	5	PC-BTWP 35/10	5		
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
<div>8 mm wide</div> <div></div> <div>PF3PF4PF5</div>	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
<div>DIN EN 50022</div> <div></div>	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
<div></div>	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
<div></div> <div>IDB5IDG6/5IDG10/5IDG10/6</div>		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440
		IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.





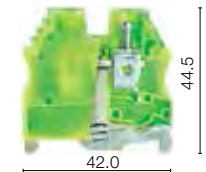
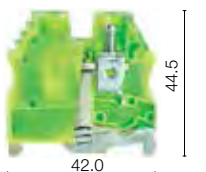
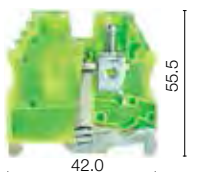
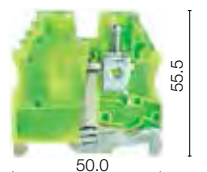



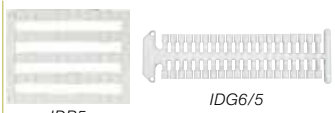

# BTWP Series - Power Terminal Blocks

		<div>BTWP 95B 40 mm wide CE</div> <div><div>90.054.0</div></div>		<div>BTWP 150B 48 mm wide CE</div> <div><div>10854.0</div></div>		<div>BTWP 240B 53 mm wide CE</div> <div><div>12254.0</div></div>	
Technical data		Voltage / Current / Cross section					
IEC 60947-7-1		1,000 V~ / 232 A / 95 mm <sup>2</sup>		1,000 V~ / 309 A / 150 mm <sup>2</sup>		1,000 V~ / 415 A / 240 mm <sup>2</sup>	
Screw		M10x30		M12x30		M16x35	
Tightening torque		6 Nm		8 Nm		10 Nm	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWP 95B	4	BTWP 150B	4	BTWP 240B	4
Clearance cover	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	TI-BTWP 95	4	TI-BTWP 150	4	TI-BTWP 240	4
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440
		IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWP Series - Ground Terminal Blocks

		<b>BTWP 2.5/4T</b> 6 mm wide  42.0 44.5		<b>BTWP 6/10T</b> 10 mm wide  42.0 44.5		<b>BTWP 16T</b> 16 mm wide  42.0 55.5		<b>BTWP 35T</b> 35 mm wide  50.0 55.5	
Technical data		Cross section							
IEC 60947-7-1		4 mm²		10 mm²		16 mm²		35 mm²	
UL / CSA		AWG 26...10		AWG 16...8		AWG 12...4		AWG 12...2	
Cable stripping		10 mm		12 mm		18 mm		18 mm	
Tightening torque		0.5 Nm		1.2 Nm		2.5 Nm		2.5 Nm	
Connection capacity									
Rigid wire		0.5...6 mm²		1.5...16 mm²		6...16 mm²		6...16 mm²	
Flexible cable		1.5...4 mm²		1.5...10 mm²		10...35 mm²		10...35 mm²	
AWG conductor		26...10		16...8		10...2		10...2	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Green/ yellow	BTWP 2.5/4T-VD/AM	50	BTWP 6/10T-VD/AM	25	BTWP 16/35T-VD/AM	25	BTWP 16/35T-VD/AM	25
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 8 mm wide PF3 PF4 PF5	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 DIN EN 50022	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7,5m	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 IDB5 IDG6/5	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	
	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	
 IDG10/5 IDG10/6	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	
	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.

## BTWD / BTWT Series - Double and Triple Terminal Blocks

		<b>BTWD 2.5N</b> 5 mm wide  64.0 61.3 CE C  US  ATEX IECEx		<b>BTWD 4N</b> 6 mm wide  64.0 61.3 CE C  US  ATEX IECEx		<b>BTWD 4NK</b> 6 mm wide  64.0 61.3 CE C  US  ATEX IECEx		<b>BTWD 3</b> 6 mm wide  65.2 87.15 CE C  US  ATEX IECEx																									
Technical data																																	
		Voltage / Current / Cross section																															
IEC 60947-7-1		500 V~ / 24 A / 2.5 mm <sup>2</sup>				500 V~ / 32 A / 4 mm <sup>2</sup>				500 V~ / 32 A / 4 mm <sup>2</sup>				440 V~ / 24 A / 2.5 mm <sup>2</sup>																			
UL / CSA		300 V~ / 20 A / AWG 26...12				300 V~ / 30 A / AWG 26...10				300 V~ / 30 A / AWG 26...10				300 V~ / 24 A / AWG 24...12																			
Cable stripping		9 mm				9 mm				9 mm				9 mm																			
Tightening torque		0.4 Nm				0.5 Nm				0.5 Nm				0.4 Nm																			
Connection capacity		Connection capacity																															
Rigid wire		0.5...4 mm <sup>2</sup>				0.5...6 mm <sup>2</sup>				0.5...6 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>																			
Flexible cable		1.5...2.5 mm <sup>2</sup>				1.5...4 mm <sup>2</sup>				1.5...4 mm <sup>2</sup>				1.5...2.5 mm <sup>2</sup>																			
AWG conductor		26...12				26...10				26...10				24...12																			
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																				
Polyamide 66	Grey	BTWD 2.5N	100	BTWD 4N	100	BTWD 4N	20	BTWT 3	25																								
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																								
1.5 mm wide 	Grey	TF-BTWD 2.5-4N	25	TF-BTWD 2.5-4N	25	TF-BTWD 2.5-4N	25	TF-BTWT 3	10																								
Separation plate 	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																								
	Grey	-	-	-	-	-	-	PS1-BTWP	100																								
Connecting bridge 	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																								
	2	PC-BTWP 2.5/2	25	PC-BTWP 4/2	25	PC-BTWP 2.5/2	25	PC-BTWT 2.5/2	25																								
	3	PC-BTWP 2.5/3	20	PC-BTWP 4/3	20	PC-BTWP 2.5/3	20	PC-BTWT 2.5/3	20																								
	4	PC-BTWP 2.5/4	15	PC-BTWP 4/4	15	PC-BTWP 2.5/4	15	PC-BTWT 2.5/4	15																								
	10	PC-BTWP 2.5/10	5	PC-BTWP 4/10	5	PC-BTWP 2.5/10	5	PC-BTWT 2.5/10	5																								
End bracket 	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																								
	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100																								
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100																								
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100																								
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																								
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars																								
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25																								
Group identifier 	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																								
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50																								
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25																								
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																								
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500																								
		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	-	-																								
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	-	-																								
		-	IDG10/6-BTW	360	IDG10/6-BTW	360	-	-																									

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.






## BTWT Series - Double Ground Terminal Block - Triple Ground Terminal Block - Terminal Block for Sensors

		<b>BTWT 2T</b> 6 mm wide  CE C <sup>CS</sup> UL <sup>US</sup> ATEX IECEX 71.7 53.0		<b>BTWT 3T</b> 6 mm wide  CE C <sup>CS</sup> UL <sup>US</sup> ATEX IECEX 87.5 65.7		<b>BTWT 3S</b> 6 mm wide  CE C <sup>CS</sup> UL <sup>US</sup> ATEX IECEX 74.3 65.2													
Technical data																			
		Voltage / Current / Cross section																	
		IEC 60947-7-1		440 V~ / 24 A / 2.5 mm <sup>2</sup>				440 V~ / 24 A / 2.5 mm <sup>2</sup>				500 V~ / 24 A / 2.5 mm <sup>2</sup>							
		UL / CSA		300 V~ / 24 A / AWG 24...12				300 V~ / 24 A / AWG 24...12				300 V~ / 20 A / AWG 24...12							
		Cable stripping		9 mm				9 mm				9 mm							
Tightening torque		0.4 Nm				0.4 Nm				0.4 Nm									
Connection capacity																			
Rigid wire		0.5...4 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>									
Flexible cable		1.5...2.5 mm <sup>2</sup>				1.5...2.5 mm <sup>2</sup>				1.5...2.5 mm <sup>2</sup>									
AWG conductor		24...12				24...12				24...12									
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
Polyamide 66	Grey	BTWT 2T	25	BTWT 3T	25	BTWT 3S	20												
End plate / partition board	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
1.5 mm wide 	Grey	TF-BTWT 2T	10	TF-BTWT 3T	10	TF-BTWT 3S	10												
Separation plate 	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
	Grey	PS1-BTWP	100	PS1-BTWP	100	PS1-BTWP	100												
Connecting bridge 	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
	2	PC-BTWT 2.5/2	25	PC-BTWT 2.5/2	25	PC-BTWT 2.5/2	25	PC-BTWT 2.5/2	25	PC-BTWT 2.5/2	25	PC-BTWT 2.5/2	25						
	3	PC-BTWT 2.5/3	20	PC-BTWT 2.5/3	20	PC-BTWT 2.5/3	20	PC-BTWT 2.5/3	20	PC-BTWT 2.5/3	20	PC-BTWT 2.5/3	20						
	4	PC-BTWT 2.5/4	15	PC-BTWT 2.5/4	15	PC-BTWT 2.5/4	15	PC-BTWT 2.5/4	15	PC-BTWT 2.5/4	15	PC-BTWT 2.5/4	15						
	10	PC-BTWT 2.5/10	5	PC-BTWT 2.5/10	5	PC-BTWT 2.5/10	5	PC-BTWT 2.5/10	5	PC-BTWT 2.5/10	5	PC-BTWT 2.5/10	5						
End bracket 	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
8 mm wide  PF3 PF4 PF5	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100						
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100						
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100						
Rail / support 	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
DIN EN 50022	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars						
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25						
Group identifier 	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50						
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25						
Identifier <sup>2)</sup>  IDB5 IDG6/5 IDG10/5 IDG10/6		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack						
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500						

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



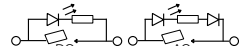



## BTWS Series - Terminal Blocks for Fuses

		<div>BTWS 2S 8 mm wide</div> <div></div> <div></div> <div>45.0 60.0</div>		<div>BTWS 4S 10 mm wide</div> <div></div> <div></div> <div>45.0 60.0</div>		<div>BTWS 3M 6 mm wide</div> <div></div> <div></div> <div>53.3 50.5</div>	
Technical data							
		Voltage / Current / Cross section					
IEC 60947-7-1		500 V~ / 6.3 A / 6 mm <sup>2</sup>		750 V~ / 6.3 A / 6 mm <sup>2</sup>		750 V~ / 6.3 A / 4 mm <sup>2</sup>	
UL / CSA		300 V~ / 6.3 A / AWG 26...8		600 V~ / 6.3 A / AWG 22...8		600 V~ / 6.3 A / AWG 22...8	
Fuse dimensions		5x20 or 5x25 mm		6,35x31,75 mm (1/4"x1 1/4")		5x20 or 5x25 mm	
Cable stripping		12 mm		12 mm		12 mm	
Tightening torque		0.8 Nm		0.8 Nm		0.8 Nm	
Connection capacity							
Rigid wire		0.5...10 mm <sup>2</sup>		0.5...10 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>	
Flexible cable		1.5...6 mm <sup>2</sup>		1.5...6 mm <sup>2</sup>		1.5...4 mm <sup>2</sup>	
AWG conductor		26...8		22...8		22...8	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWS 2S	50	BTWS 4S	20	BTWS 3M	20
				Note: houses a spare fuse		Note: houses a spare fuse	
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
1.5 mm wide 	Grey	TF-BTWS 2	10	Supplied with end plate		TF-BTWS 3	10
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		-		IDG6/5-BTW	400	IDG6/5-BTW	400
		-		IDG10/5-BTW	440	IDG10/5-BTW	440
		-		IDG10/6-BTW	360	IDG10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWS / BTWP Series - Terminal Blocks for Fuses - 1In-2Out Terminal Block

		<div>BTWS 2LD 8 mm wide</div> <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div>ATEX IECEX</div></div> <div><div>45.0 60.0</div></div> <td colspan="2"><div>BTWP 4C 6 mm wide</div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div>ATEX IECEX</div></div><div><div>53.3 50.5</div></div></td>		<div>BTWP 4C 6 mm wide</div> <div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div>ATEX IECEX</div></div> <div><div>53.3 50.5</div></div>	
Technical data					
		Voltage / Current / Cross section			
IEC 60947-7-1		- V~ / 6.3 A / 6 mm <sup>2</sup>		750 V~ / 32 A / 4 mm <sup>2</sup>	
UL / CSA		- V~ / 6.3 A / AWG 26...8		600 V~ / 29 A / AWG 22...10	
Fuse dimensions		5x20 or 5x25 mm		-	
Cable stripping		12 mm		10 mm	
Tightening torque		0.8 Nm		0.5 Nm	
Connection capacity					
Rigid wire		0.5...10 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>	
Flexible cable		1.5...6 mm <sup>2</sup>		1.5...4 mm <sup>2</sup>	
AWG conductor		26...8		26...10	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWS 2LD C03 - 24 V dc BTWS 2LD D13 - 110 V ac BTWS 2LD D23 - 220 V ac	25	BTWP 4C	50
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack
<div>1.5 mm wide</div> <div></div>	Grey	TF-BTWS 2	10	TF-BTWP 4C	10
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack
<div>8 mm wide</div> <div></div> <div>PF3 PF4 PF5</div>	Grey	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack
<div>DIN EN 50022</div> <div></div>	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack
<div></div> <div>IDB5 IDG6/5 IDG10/5 IDG10/6</div>	IDB5-BTW		500	IDB5-BTW	500
	IDG6/5-BTW		400	IDG6/5-BTW	400
	IDG10/5-BTW		440	IDG10/5-BTW	440
	IDG10/6-BTW		360	IDG10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.





**BTWS / BTWA / BTWD Series - Disconnect Terminal Block - Diode Terminal Block**

		<div>BTWS 3A - Disconnect Terminal 6 mm wide</div> <div><div>50.5 53.5</div></div> <div></div> <div><div>CECSA ATEX IECEX</div><div>UL us</div></div>		<div>BTWA 3 - Disconnect / Test Terminal 8 mm wide</div> <div></div> <div></div> <div><div>CECSA ATEX IECEX</div><div>UL us</div></div>		<div>BTWD 4D 8 mm wide</div> <div></div> <div></div> <div><div>CECSA ATEX IECEX</div><div>UL us</div></div>			
Technical data		Voltage / Current / Cross section							
		IEC 60947-7-1		500 V~ / 16 A / 4 mm <sup>2</sup>		400 V / 41 A / 6 mm <sup>2</sup>		1,000 V / 10 A / 6 mm <sup>2</sup>	
		UL / CSA		600 V~ / 16 A / AWG 26...10		-		-	
		Cable stripping		10 mm		10 mm		10 mm	
		Tightening torque		0.5 Nm		1.5 Nm		1.5 Nm	
Connection capacity									
Rigid wire		0.5...6 mm <sup>2</sup>		1.5 - 6 mm <sup>2</sup>		0.5 - 6 mm <sup>2</sup>			
Flexible cable		1.5...4 mm <sup>2</sup>		1.5 - 6 mm <sup>2</sup>		0.5 - 2.5 mm <sup>2</sup>			
AWG conductor		26...10		16...8		22...12			
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
Polyamide 66	Grey	BTWS 3A	20	BTWA 3	50	BTWD 4D	50		
End plate / partition board	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
<div>1.5 mm wide</div> 	Grey	TF-BTWS 3	10	TF-BTWA 10/1A	25	TF-BTWD 4D 2.5-4	25		
Separation plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
	Grey	PS1-BTWP	100	PS1-BTWP	100	PS1-BTWP	100		
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
	2			PC-BTWA 6/2	25				
	3			PC-BTWA 6/3	20				
	4			PC-BTWA 6/4	15				
	10			PC-BTWA 6/10	5				
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
<div>8 mm wide</div> 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100		
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100		
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100		
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
<div>DIN EN 50022</div> 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars		
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25		
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50		
	Clear	IG22-BTW1)	25	IG22-BTW1)	25	IG22-BTW1)	25		
Identifier2)		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
		IDB5-BTW	500	-		IDB5-BTW	500		
		IDG6/5-BTW	400	IDG6/5-BTW	400	-			
		IDG10/5-BTW	440	IDG10/5-BTW	440	-			
		IDG10/6-BTW	360	IDG10/6-BTW	360	-			

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



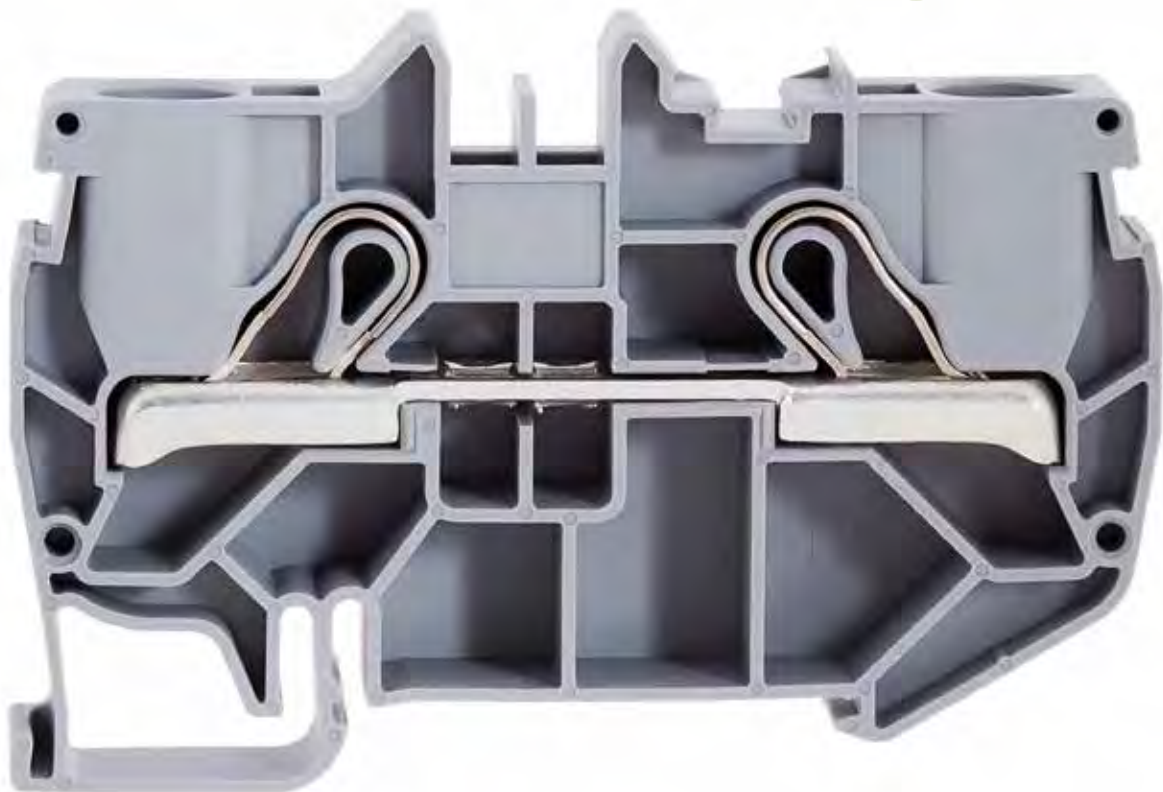
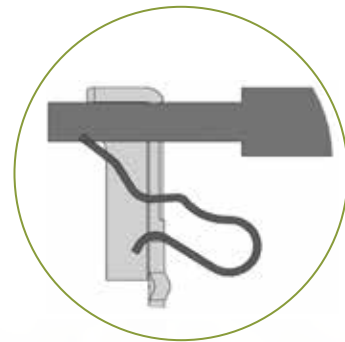
## BTWI Series - Spring Clamp Type Terminal Blocks (Push-In)

BTWI series terminal blocks allow direct connection of flexible cables and rigid wires without the use of tools.

The special format of the terminal spring allows the safe fitting of conductors. The contact spring is opened automatically during the insertion of the conductor and ensures the necessary force to clamp the conductor against the current conductor bar. The spring body structure also ensures progressive locking and anti-vibration of the conductor. The opening of the spring to release the conductor is made through a screwdriver.

### Main Benefits of BTWI Series

- Terminal block body in PA66 polyamide, with excellent dielectric properties and high mechanical resistance
- Safe and reliable connection
- Does not require a tool for connection
- Savings in assembly time
- Gains throughout the process
- Complete range of accessories
- Anti-vibration system
- CE, UL, ATEX & IECEx certification





# Selection Guide - Spring Clamp Type Connection (Push-In)

## BTWI Series - Terminal Blocks

		<div>BTWI 2.5</div> <div>5 mm wide</div> <div></div>		<div>BTWI 4</div> <div>6 mm wide</div> <div></div>		<div>BTWI 6</div> <div>8 mm wide</div> <div></div>		<div>BTWI 10</div> <div>10 mm wide</div> <div></div>	
Technical data		Voltage / Current / Cross section							
IEC 60947-7-1		750 V~ / 24 A / 2.5 mm <sup>2</sup>		750 V~ / 32 A / 4 mm <sup>2</sup>		750 V~ / 41 A / 6 mm <sup>2</sup>		750 V~ / 57 A / 10 mm <sup>2</sup>	
UL / CSA		600 V~ / 20 A / AWG 22...12		600 V~ / 26 A / AWG 22...10		600 V~ / 35 A / AWG 22...8		600 V~ / 55 A / AWG 20...6	
Cable stripping		10 mm		12 mm		12 mm		13 mm	
Connection capacity									
Rigid wire		0.5...4 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...10 mm <sup>2</sup>		0.5...16 mm <sup>2</sup>	
Flexible cable		0.5...2.5 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...10 mm <sup>2</sup>	
AWG conductor		22...12		22...10		22...8		20...6	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	BTWI 2.5	100	BTWI 4	100	BTWI 6	100	BTWI 10	100
	Blue	BTWI 2.5-AZ	100	BTWI 4-AZ	100	BTWI 6-AZ	100	BTWI 10-AZ	100
	Green	BTWI 2.5-VD	100	BTWI 4-VD	100	BTWI 6-VD	100	BTWI 10-VD	100
	Red	BTWI 2.5-VM	100	BTWI 4-VM	100	BTWI 6-VM	100	BTWI 10-VM	100
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	TF-BTWI 2.5	100	TF-BTWI 4	100	TF-BTWI 6	100	TF-BTWI 10	100
	Blue	TF-BTWI 2.5-AZ	100	TF-BTWI 4-AZ	100	TF-BTWI 6-AZ	100	TF-BTWI 10-AZ	100
	Green	TF-BTWI 2.5-VD	100	TF-BTWI 4-VD	100	TF-BTWI 6-VD	100	TF-BTWI 10-VD	100
	Red	TF-BTWI 2.5-VM	100	TF-BTWI 4-VM	100	TF-BTWI 6-VM	100	TF-BTWI 10-VM	100
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 4/2	25	PC-BTWM 6/2	25	PC-BTWM 10/2	25
	3	PC-BTWM 2.5/3	20	PC-BTWM 4/3	20	PC-BTWM 6/3	20	PC-BTWM 10/3	20
	4	PC-BTWM 2.5/4	15	PC-BTWM 4/4	15	PC-BTWM 6/4	15	PC-BTWM 10/4	15
	10	PC-BTWM 2.5/10	5	PC-BTWM 4/10	5	PC-BTWM 6/10	5	PC-BTWM 10/10	5
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW1)	25	IG22-BTW1)	25	IG22-BTW1)	25	IG22-BTW1)	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	
	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	
	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	
	-	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360		

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWI Series - Ground Terminal Blocks


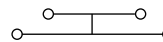
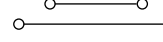
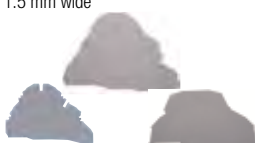

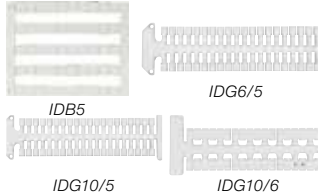
		<div>BTWI 2.5T</div> <div>5 mm wide</div> <div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.





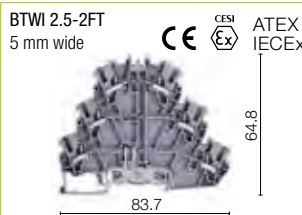
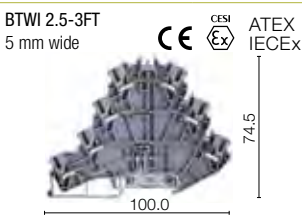
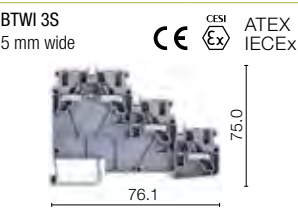
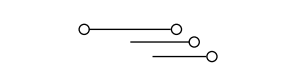


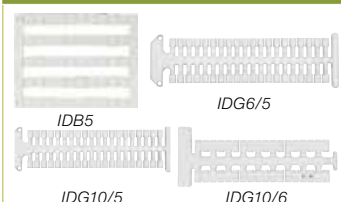
## BTWI Series - Double Terminal Blocks - Triple Terminal Blocks

		BTWI 2.5-2F 5 mm wide  83.7 64.8		BTWI 4-2F 6 mm wide  90.3 55.5		BTWI 4-2FK 6 mm wide  90.3 55.5		BTWI 2.5-3F 5 mm wide  100.0 75.0																									
Technical data																																	
		Voltage / Current / Cross section																															
IEC 60947-7-1		500 V~ / 24 A / 2.5 mm <sup>2</sup>				750 V~ / 30 A / 4 mm <sup>2</sup>				750 V~ / 30 A / 4 mm <sup>2</sup>				500 V~ / 24 A / 2.5 mm <sup>2</sup>																			
UL / CSA		600 V~ / 20 A / AWG 22...12				600 V~ / 26 A / AWG 22...10				600 V~ / 26 A / AWG 22...12				600 V~ / 20 A / AWG 22...12																			
Cable stripping		10 mm				12 mm				10 mm				10 mm																			
Connection capacity																																	
Rigid wire		0.5...4 mm <sup>2</sup>				0.5...6 mm <sup>2</sup>				0.5...6 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>																			
Flexible cable		0.5...2.5 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>				0.5...2.5 mm <sup>2</sup>																			
AWG conductor		22...12				22...10				22...10				22...12																			
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
Polyamide 66	Grey	BTWI 2.5-2F	50	BTWI 4-2F	50	BTWI 4-2K	50	BTWI 2.5-3F	20																								
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
1.5 mm wide 	Grey	TF-BTWI 2.5-2F	50	TF-BTWI 4-2F	25	TF-BTWI 4-2F	50	TF-BTWI 2.5-3F	10																								
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
	2	PC-BTWM 2.5/2	25	PC-BTWM 4/2	25	PC-BTWM 4/2	25	PC-BTWM 2.5/2	25																								
	3	PC-BTWM 2.5/3	20	PC-BTWM 4/3	20	PC-BTWM 4/3	20	PC-BTWM 2.5/3	20																								
	4	PC-BTWM 2.5/4	15	PC-BTWM 4/4	15	PC-BTWM 4/4	15	PC-BTWM 2.5/4	15																								
	10	PC-BTWM 2.5/10	5	PC-BTWM 4/10	5	PC-BTWM 4/10	5	PC-BTWM 2.5/10	5																								
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100																								
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100																								
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100																								
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars																								
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25																								
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50																								
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25																								
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500																								
		-			IDG6/5-BTW	400	IDG6/5-BTW	400	-																								
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440																						
		-			IDG10/6-BTW	360	IDG10/6-BTW	360	-																								

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.







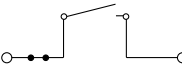

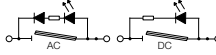






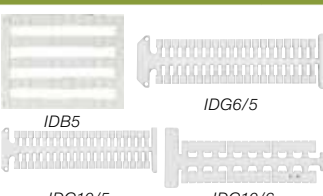
## BTWI Series - Double Terminal Block + Ground - Triple Terminal Block + Ground - Terminal Block for Sensors

		BTWI 2.5-2FT 5 mm wide		BTWI 2.5-3FT 5 mm wide		BTWI 3S 5 mm wide		
								
Technical data								
		Voltage / Current / Cross section						
IEC 60947-7-1		500 V~ / 24 A / 2.5 mm²		500 V~ / 24 A / 2.5 mm²		500 V~ / 24 A / 2.5 mm²		
UL / CSA		600 V~ / 20 A / AWG 22...12		600 V~ / 20 A / AWG 22...12		-		
Cable stripping		10 mm		10 mm		10 mm		
Connection capacity								
Rigid wire		0.5...4 mm²		0.5...4 mm²		0.5...4 mm²		
Flexible cable		0.5...2.5 mm²		0.5...2.5 mm²		0.5...2.5 mm²		
AWG conductor		22...12		22...12		22...12		
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
Polyamide 66	Grey	BTWI 2.5-2FT	20	BTWI 2.5-3FT	20	BTWI 3S	20	
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
1.5 mm wide		Grey	TF-BTWI 2.5-2F	10	TF-BTWI 2.5-3FT	10	TF-BTWI 3S	10
Connecting bridge	Nr. poles	Reference code	Qty/pack			Reference code	Qty/pack	
	2	PC-BTWM 2.5/2	25			PC-BTWM 2.5/2	25	
	3	PC-BTWM 2.5/3	20			PC-BTWM 2.5/3	20	
	4	PC-BTWM 2.5/4	15			PC-BTWM 2.5/4	15	
	10	PC-BTWM 2.5/10	5			PC-BTWM 2.5/10	5	
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
8 mm wide	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWI Series - Disconnect Terminal Block - Terminal Blocks for Fuses

		<b>BTWI 2.5A</b> 5 mm wide  69.1 x 37.5		<b>BTWI S</b> 8 mm wide  67.0 x 64.5		<b>BTWI SLD</b> 8 mm wide  67.0 x 64.5		<b>BTWI I</b> 8 mm wide  67.0 x 64.5	
Technical data									
		Voltage / Current / Cross section							
IEC 60947-7-1		750 V~ / 16 A / 2.5 mm <sup>2</sup>		500 V~ / 10 A / 4 mm <sup>2</sup>		750 V~ / 30 A / 4 mm <sup>2</sup>		500 V~ / 10 A / 4 mm <sup>2</sup>	
UL / CSA		600 V~ / 10 A / AWG 22...12		600 V~ / 10 A / AWG 22...10		600 V~ / 26 A / AWG 22...12		600 V~ / 10 A / AWG 22...10	
Fuse dimensions		-		5x20 or 5x25 mm		5x20 or 5x25 mm		6,35x31,75 mm (1/4"x1 1/4")	
Cable stripping		10 mm		12 mm		10 mm		12 mm	
Connection capacity									
Rigid wire		0.5...4 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>	
Flexible cable		0.5...2.5 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>	
AWG conductor		22...12		22...10		22...10		22...10	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWI 2.5A	50	BTWI S	20	BTWI S	20	BTWI I	20
				Note: spare fuse included		BTWI SLD C03 - 24 V dc BTWI SLD D13 - 110 V ac BTWI SLD D23 - 220 V ac		Note: spare fuse included	
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 1.5 mm wide	Grey	TF-BTWI 2.5A	10	Built-in		Built-in		Built-in	
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 6/2	25	PC-BTWM 4/2	25	PC-BTWM 6/2	25
	3	PC-BTWM 2.5/3	20	PC-BTWM 6/3	20	PC-BTWM 4/3	20	PC-BTWM 6/3	20
	4	PC-BTWM 2.5/4	15	PC-BTWM 6/4	15	PC-BTWM 4/4	15	PC-BTWM 6/4	15
	10	PC-BTWM 2.5/10	5	PC-BTWM 6/10	5	PC-BTWM 4/10	5	PC-BTWM 6/10	5
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 8 mm wide PF3 PF4 PF5	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 DIN EN 50022	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 IDB5 IDG6/5 IDG10/5 IDG10/6		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		IDG6/5-BTW	400	-		IDG6/5-BTW	400	-	
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440
		-		IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## Selection Guide - Spring Clamp Type Connection (Push-In)

### BTWI Series - 1In-2Out Terminal Block - 2In-2Out Terminal Block - Double Ground Terminal Block

		BTWI 2.5E 5 mm wide		BTWI 2.5C 5 mm wide		BTWI 2.5CT 5 mm wide	
							
		66.6		81.4		81.4	
		35.5		35.5		35.5	
Technical data							
		Voltage / Current / Cross section				Cross section	
IEC 60947-7-1		750 V~ / 24 A / 2.5 mm²		750 V~ / 24 A / 2.5 mm²		2.5 mm²	
UL / CSA		600 V~ / 20 A / AWG 22...12		600 V~ / 20 A / AWG 22...12		AWG 22...12	
Cable stripping		13 mm		13 mm		13 mm	
Connection capacity							
Rigid wire		0.5...4 mm²		0.5...4 mm²		0.5...4 mm²	
Flexible cable		0.5...2.5 mm²		0.5...2.5 mm²		0.5...2.5 mm²	
AWG conductor		22...12		22...12		22...12	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWI 2.5E	50	BTWI 2.5C	50	-	-
	Green	-	-	-	-	BTWI 2.5CT	50
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
1.2 mm wide 	Grey	TF-BTWI 2.5E	10	TF-BTWI 2.5C	10	-	-
	Green	-	-	-	-	TF-BTWI 2.5CT	10
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 2.5/2	25		
	3	PC-BTWM 2.5/3	20	PC-BTWM 2.5/3	20		
	4	PC-BTWM 2.5/4	15	PC-BTWM 2.5/4	15		
	10	PC-BTWM 2.5/10	5	PC-BTWM 2.5/10	5		
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440

Notes: 1) For assembly on PF4-BTW end bracket  
2) Further details about identifiers on page 48.



## BTWM Series - Spring Clamp Type Terminal Blocks

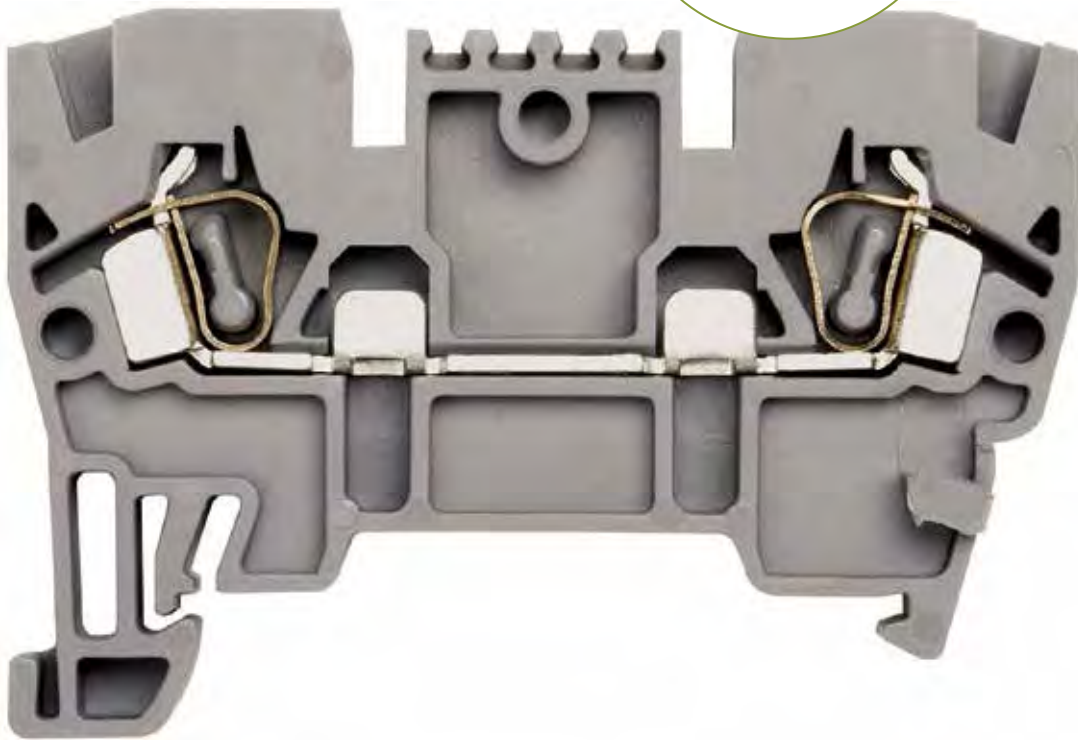
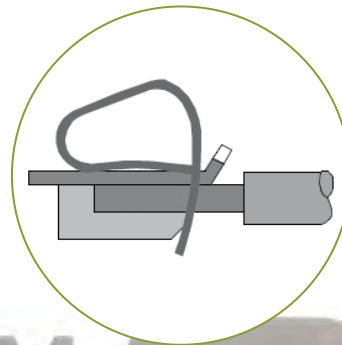
The BTWM terminal blocks series use spring connection technique products. The connection is maintained through a stainless steel spring which keeps constant pressure on the conductor against the internal copper part.

The connection procedure is simple: remove conductor isolation, insert a screwdriver into the square opening in the terminal block to compress the spring, releasing the access and then insert the conductor into the terminal block.

When removing the screwdriver, the connection becomes effective. The contact pressure in this connection system is uniform and independent of user/operator, as it is provided by the spring.

### Main Features of BTWM Series

- Terminal block body in polyamide PA66, with excellent dielectric properties and high mechanical resistance
- Internal conductor element of high current conduction
- Stainless steel spring
- Uniform contact pressure





## Selection Guide - Spring Clamp Type Connection

### BTWM Series - Terminal Blocks

		BTWM 2.5 5 mm wide			35.5	51.0			BTWM 4 6 mm wide			37.0	55.0			BTWM 6 8 mm wide			38.5	64.0			BTWM 10 10 mm wide			43.0	70.0
Technical data		Voltage / Current / Cross section																									
IEC 60947-7-1		750 V~ / 24 A / 2.5 mm²				750 V~ / 32 A / 4 mm²				750 V~ / 41 A / 6 mm²				750 V~ / 57 A / 10 mm²													
UL / CSA		600 V~ / 20 A / AWG 22...12				600 V~ / 26 A / AWG 22...10				600 V~ / 35 A / AWG 22...8				600 V~ / 55 A / AWG 20...6													
Cable stripping		10 mm				12 mm				12 mm				13 mm													
Connection capacity																											
Rigid wire		0.5...4 mm²				0.5...6 mm²				0.5...10 mm²				0.5...16 mm²													
Flexible cable		0.5...2.5 mm²				0.5...4 mm²				0.5...6 mm²				0.5...10 mm²													
AWG conductor		22...12				22...10				22...8				20...6													
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
Polyamide 66	Grey	BTWM 2.5	100	BTWM 4	100	BTWM 6	100	BTWM 10	100																		
	Blue	BTWM 2.5-AZ	100	BTWM 4-AZ	100	BTWM 6-AZ	100	BTWM 10-AZ	100																		
	Green	BTWM 2.5-VD	100	BTWM 4-VD	100	BTWM 6-VD	100	BTWM 10-VD	100																		
	Red	BTWM 2.5-VM	100	BTWM 4-VM	100	BTWM 6-VM	100	BTWM 10-VM	100																		
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
1.2 mm wide 	Grey	TF-BTWM 2.5	100	TF-BTWM 4	100	TF-BTWM 6	100	TF-BTWM 10	100																		
	Blue	TF-BTWM 2.5-AZ	100	TF-BTWM 4-AZ	100	TF-BTWM 6-AZ	100	TF-BTWM 10-AZ	100																		
	Green	TF-BTWM 2.5-VD	100	TF-BTWM 4-VD	100	TF-BTWM 6-VD	100	TF-BTWM 10-VD	100																		
	Red	TF-BTWM 2.5-VM	100	TF-BTWM 4-VM	100	TF-BTWM 6-VM	100	TF-BTWM 10-VM	100																		
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
	2	PC-BTWM 2.5/2	25	PC-BTWM 4/2	25	PC-BTWM 6/2	25	PC-BTWM 10/2	25																		
	3	PC-BTWM 2.5/3	20	PC-BTWM 4/3	20	PC-BTWM 6/3	20	PC-BTWM 10/3	20																		
	4	PC-BTWM 2.5/4	15	PC-BTWM 4/4	15	PC-BTWM 6/4	15	PC-BTWM 10/4	15																		
	10	PC-BTWM 2.5/10	5	PC-BTWM 4/10	5	PC-BTWM 6/10	5	PC-BTWM 10/10	5																		
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100																		
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100																		
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100																		
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars		
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25		
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50																		
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25																		
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack		
	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500																	
	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400																	
	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440																	
	-		IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360			

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.














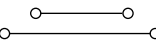
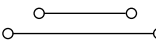
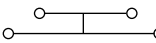
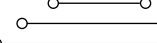





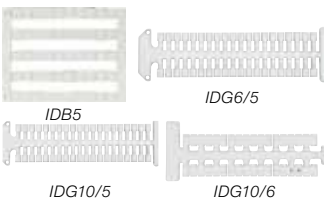
## BTWM Series - Ground Terminal Blocks

		<b>BTWM 2.5T</b> 5 mm wide  51.0 35.5		<b>BTWM 4T</b> 6 mm wide  55.0 37.0		<b>BTWM 6T</b> 8 mm wide  64.0 38.5		<b>BTWM 10T</b> 10 mm wide  70.0 43.0	
Technical data		Cross section							
IEC 60947-7-1		2.5 mm <sup>2</sup>		4 mm <sup>2</sup>		6 mm <sup>2</sup>		10 mm <sup>2</sup>	
UL / CSA		AWG 22...12		AWG 22...10		AWG 22...8		AWG 20...6	
Cable stripping		10 mm		12 mm		12 mm		13 mm	
Connection capacity									
Rigid wire		0.5...4 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...10 mm <sup>2</sup>		0.5...16 mm <sup>2</sup>	
Flexible cable		0.5...2.5 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...10 mm <sup>2</sup>	
AWG conductor		22...12		22...10		22...8		20...6	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Green	BTWM 2.5T-VD/AM	50	BTWM 4T-VD/AM	50	BTWM 6T-VD/AM	40	BTWM 10T-VD/AM	30
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
1.2 mm wide 	Green	TF-BTWM 2.5 T	10	TF-BTWM 4 T	10	TF-BTWM 6 T	10	TF-BTWM 10 T	10
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Rail	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Rail	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 IDB5		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
 IDG6/5		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400
 IDG10/5		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440
 IDG10/6		-		IDG10/6-BTW	360	IDG10/6-BTW	360	IDG10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWM Series - Double Terminal Blocks - Triple Terminal Blocks

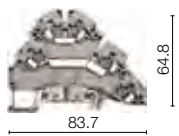


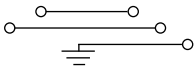
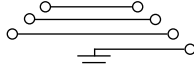
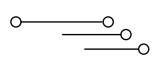





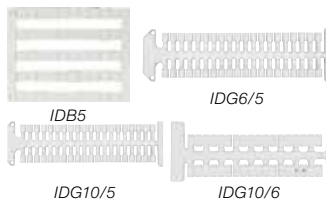
		<b>BTWM 2.5-2F</b> 5 mm wide  		<b>BTWM 4-2F</b> 6 mm wide  		<b>BTWM 4-2FK</b> 6 mm wide 		<b>BTWM 2.5-3F</b> 5 mm wide  																									
		 64.8 83.7		 55.5 90.3		 55.5 90.3		 75.0 100.0																									
Technical data																																	
		Voltage / Current / Cross section																															
IEC 60947-7-1		500 V~ / 24 A / 2.5 mm <sup>2</sup>				750 V~ / 30 A / 4 mm <sup>2</sup>				750 V~ / 30 A / 4 mm <sup>2</sup>				500 V~ / 24 A / 2.5 mm <sup>2</sup>																			
UL / CSA		600 V~ / 20 A / AWG 22...12				600 V~ / 26 A / AWG 22...10				-				600 V~ / 20 A / AWG 22...12																			
Cable stripping		10 mm				12 mm				10 mm				10 mm																			
Connection capacity																																	
Rigid wire		0.5...4 mm <sup>2</sup>				0.5...6 mm <sup>2</sup>				0.5...6 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>																			
Flexible cable		0.5...2.5 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>				0.5...4 mm <sup>2</sup>				0.5...2.5 mm <sup>2</sup>																			
AWG conductor		22...12				22...10				22...10				22...12																			
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
Polyamide 66	Grey	BTWM 2.5-2F	50	BTWM 4-2F	50	BTWM 4-2K	50	BTWM 2.5-3F	20																								
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
	Grey	TF-BTWM 2.5-2F	50	TF-BTWM 4-2F	25	TF-BTWM 4-2F	50	TF-BTWM 4-2F	10																								
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
	2	PC-BTWM 2.5/2	25	PC-BTWM 4/2	25	PC-BTWM 4/2	25	PC-BTWM 2.5/2	25																								
	3	PC-BTWM 2.5/3	20	PC-BTWM 4/3	20	PC-BTWM 4/3	20	PC-BTWM 2.5/3	20																								
	4	PC-BTWM 2.5/4	15	PC-BTWM 4/4	15	PC-BTWM 4/4	15	PC-BTWM 2.5/4	15																								
	10	PC-BTWM 2.5/10	5	PC-BTWM 4/10	5	PC-BTWM 4/10	5	PC-BTWM 2.5/10	5																								
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100																								
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100																								
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100																								
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars																								
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25																								
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50																								
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25																								
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack																
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500																								
		-		IDG6/5-BTW	400	IDG6/5-BTW	400	-																									
		-		IDG10/5-BTW	440	IDG10/5-BTW	440	-																									
		-		IDG10/6-BTW	360	IDG10/6-BTW	360	-																									

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.






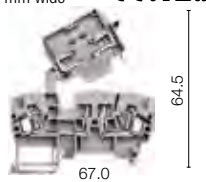
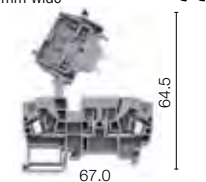
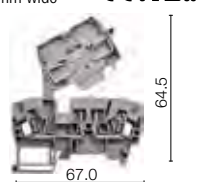
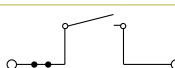

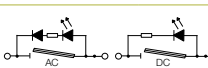






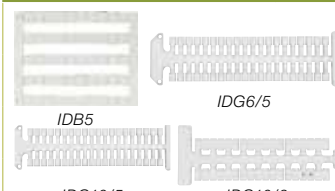
## BTWM Series - Double Terminal Block + Ground - Triple Terminal Block + Ground - Terminal Block for Sensors

		BTWM 2.5-2FT 5 mm wide		BTWM 2.5-3FT 5 mm wide		BTWM 3S 5 mm wide	
							
Technical data							
IEC 60947-7-1		500 V~ / 24 A / 2.5 mm²		500 V~ / 24 A / 2.5 mm²		500 V~ / 24 A / 2.5 mm²	
UL / CSA		600 V~ / 20 A / AWG 22...12		600 V~ / 20 A / AWG 22...12		-	
Cable stripping		10 mm		10 mm		10 mm	
Connection capacity							
Rigid wire		0.5...4 mm²		0.5...4 mm²		0.5...4 mm²	
Flexible cable		0.5...2.5 mm²		0.5...2.5 mm²		0.5...2.5 mm²	
AWG conductor		22...12		22...12		22...12	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWM 2.5-2FT	20	BTWM 2.5-3FT	20	BTWM 3S	20
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
1.5 mm wide 	Grey	TF-BTWM 2.5-2F	10	TF-BTWM 2.5-3FT	10	TF-BTWM 3S	10
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 2.5/2	25	PC-BTWM 2.5/2	25
	3	PC-BTWM 2.5/3	20	PC-BTWM 2.5/3	20	PC-BTWM 2.5/3	20
	4	PC-BTWM 2.5/4	15	PC-BTWM 2.5/4	15	PC-BTWM 2.5/4	15
	10	PC-BTWM 2.5/10	5	PC-BTWM 2.5/10	5	PC-BTWM 2.5/10	5
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWM Series - Disconnect Terminal Block - Terminal

		<b>BTWM 2.5A</b> 5 mm wide  69.1 x 37.5		<b>BTWM S</b> 8 mm wide  67.0 x 64.5		<b>BTWM SLD</b> 8 mm wide  67.0 x 64.5		<b>BTWM I</b> 8 mm wide  67.0 x 64.5	
Technical data									
		Voltage / Current / Cross section							
IEC 60947-7-1		750 V~ / 16 A / 2.5 mm <sup>2</sup>		500 V~ / 10 A / 4 mm <sup>2</sup>		750 V~ / 30 A / 4 mm <sup>2</sup>		500 V~ / 10 A / 4 mm <sup>2</sup>	
UL / CSA		600 V~ / 10 A / AWG 22...12		600 V~ / 10 A / AWG 22...10		AWG 22...12		600 V~ / 10 A / AWG 22...10	
Fuse dimensions		-		5x20 or 5x25 mm		5x20 or 5x25 mm		6,35x31,75 mm (1/4"x1 1/4")	
Cable stripping		10 mm		12 mm		10 mm		12 mm	
Connection capacity									
Rigid wire		0.5...4 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>		0.5...6 mm <sup>2</sup>	
Flexible cable		0.5...2.5 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>		0.5...4 mm <sup>2</sup>	
AWG conductor		22...12		22...10		22...10		22...10	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWM 2.5A	50	BTWM S	20	BTWM S	20	BTWM I	20
	-	-		Note: houses a spare fuse		BTWM SLD C03 - 24 V dc BTWM SLD D13 - 110 V ac BTWM SLD D23 - 220 V ac		Note: houses a spare fuse	
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
1.5 mm wide 	Grey	TF-BTWM 2.5A	10	TF-BTWM S-I	10	TF-BTWM S-I	50	TF-BTWM S-I	10
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 6/2	25	PC-BTWM 4/2	25	PC-BTWM 6/2	25
	3	PC-BTWM 2.5/3	20	PC-BTWM 6/3	20	PC-BTWM 4/3	20	PC-BTWM 6/3	20
	4	PC-BTWM 2.5/4	15	PC-BTWM 6/4	15	PC-BTWM 4/4	15	PC-BTWM 6/4	15
	10	PC-BTWM 2.5/10	5	PC-BTWM 6/10	5	PC-BTWM 4/10	5	PC-BTWM 6/10	5
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		IDG6/5-BTW	400	-	-	IDG6/5-BTW	400	-	-
		IDG10/5-BTW	440	-	-	IDG10/5-BTW	440	-	-
		-	-	-	-	IDG10/6-BTW	360	-	-

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## BTWM Series - 1In-2Out Terminal Block - 2In-2Out Terminal Block - Double Ground Terminal Block

		<b>BTWM 2.5E</b> 5 mm wide		<b>BTWM 2.5C</b> 5 mm wide		<b>BTWM 2.5CT</b> 5 mm wide	
							
		66.6		81.4		81.4	
		35.5		35.5		35.5	
Technical data							
		Voltage / Current / Cross section				Cross section	
IEC 60947-7-1		750 V~ / 24 A / 2.5 mm²		750 V~ / 24 A / 2.5 mm²		2.5 mm²	
UL / CSA		600 V~ / 20 A / AWG 22...12		600 V~ / 20 A / AWG 22...12		AWG 22...12	
Cable stripping		13 mm		13 mm		13 mm	
Connection capacity							
Rigid wire		0.5...4 mm²		0.5...4 mm²		0.5...4 mm²	
Flexible cable		0.5...2.5 mm²		0.5...2.5 mm²		0.5...2.5 mm²	
AWG conductor		22...12		22...12		22...12	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWM 2.5E	50	BTWM 2.5C	50	-	-
	Green	-	-	-	-	BTWM 2.5CT	50
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
1.2 mm wide 	Grey	TF-BTWM 2.5E	10	TF-BTWM 2.5C	10	-	-
	Green	-	-	-	-	TF-BTWM 2.5CT	10
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 2.5/2	25	-	
	3	PC-BTWM 2.5/3	20	PC-BTWM 2.5/3	20		
	4	PC-BTWM 2.5/4	15	PC-BTWM 2.5/4	15		
	10	PC-BTWM 2.5/10	5	PC-BTWM 2.5/10	5		
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	IDB5	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
	IDG6/5	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400
	IDG10/5	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



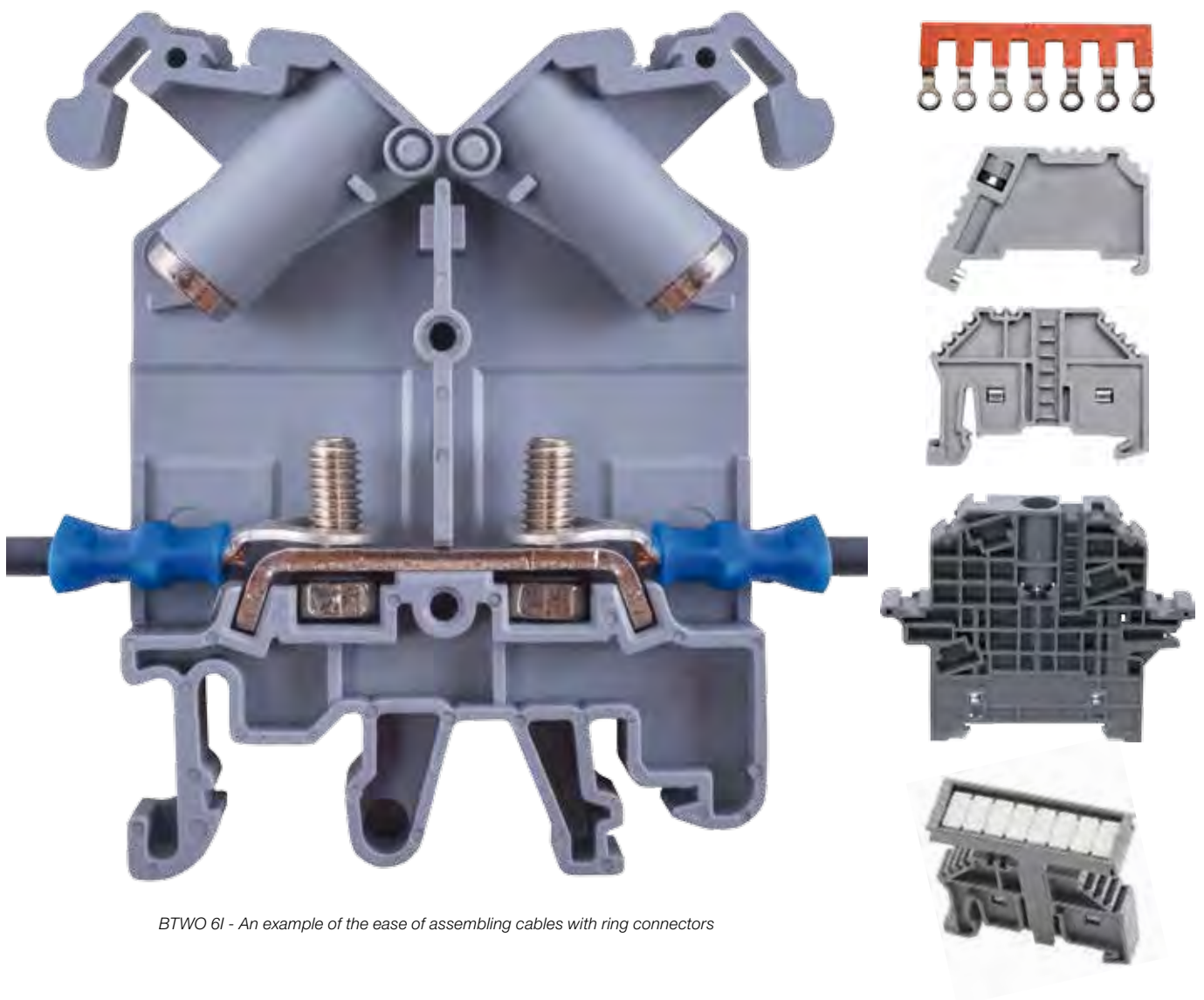
## BTWO Series - Screw Type for Ring and Fork Connectors

Suitable for industrial use, providing safety and practicality in the connection of electrical cables.

The assembly is made easily and fast since the terminal blocks are prepared to receive cables with ring and fork connectors. This resource allows the terminal blocks to be used in the steel industry, mining, energy utilities and medium-voltage cubicles.

### Main Advantages of BTWO Series

- Cross-section cables
- 2 models: standard and with unlosable screw
- Application in environments with vibrations
- Complete range of accessories
- CE certification



BTWO 6I - An example of the ease of assembling cables with ring connectors





# Selection Guide - Screw Type for Ring Connectors

## BTWO Series - Terminal Blocks

		BTWO 6I 11 mm wide		BTWO 6G - Disconnect / Test Terminal Block 11 mm wide		BTWO 6 IT-VD/AM 11 mm wide	
Technical data							
		Voltage / Current / Cross section					
IEC 60947-7-1		800 V / 41 A / 6 mm <sup>2</sup>		500 V / 41 A / 6 mm <sup>2</sup>		6 mm <sup>2</sup>	
Type of connector		Ring		Ring		Ring	
Tightening torque		0.8 Nm		0.8 Nm		0.8 Nm	
Connection capacity							
Rigid wire		0.5 - 6 mm <sup>2</sup>		0.5 - 6 mm <sup>2</sup>		0.5 - 6 mm <sup>2</sup>	
Flexible cable		0.5 - 6 mm <sup>2</sup>		0.5 - 6 mm <sup>2</sup>		0.5 - 6 mm <sup>2</sup>	
AWG conductor		20...10		26...10		20...10	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWO 6 I	100	BTWO 6G	100	BTWO 6 IT-VD/AM	100
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	TF-BTWO 6I	25	TF-BTWO 6G	25	-	25
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWO 6I/2	25	PC-BTWO 6I/2	25	-	-
	3	PC-BTWO 6I/3	20	PC-BTWO 6I/3	20	-	-
	4	PC-BTWO 6I/4	15	PC-BTWO 6I/4	15	-	-
	7	PC-BTWO 6I/7	5	PC-BTWO 6I/7	5	-	-
	10	PC-BTWO 6I/10	5	PC-BTWO 6I/10	5	-	-
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	8 mm wide	Grey	PF3-BTW	100	PF3-BTW	100	100
		Grey	PF4-BTW	100	PF4-BTW	100	100
		Grey	PF5-BTW	100	PF5-BTW	100	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440
		IDG 10/6-BTW	360	IDG 10/6-BTW	360	IDG 10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## Selection Guide - Screw Type for Fork Connectors

### BTWO Series - Terminal Blocks

		BTWO 6 9.5 mm wide				BTWO 10 13 mm wide			
									
Technical data		Voltage / Current / Cross section							
IEC 60947-7-1		800 V / 41 A / 6 mm <sup>2</sup>				800 V / 57 A / 10 mm <sup>2</sup>			
Type of connector		Fork				Fork			
Tightening torque		1.2 Nm				1.5 Nm			
		Connection capacity							
Rigid wire		0.5 - 6 mm <sup>2</sup>				0.5 - 10 mm <sup>2</sup>			
Flexible cable		0.5 - 6 mm <sup>2</sup>				0.5 - 10 mm <sup>2</sup>			
AWG conductor		20...10				20...8			
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWO 6	100	BTWO 10	100	BTWO 10	100	BTWO 10	100
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	TF-BTWO 6	25	TF-BTWO 10	25	TF-BTWO 10	25	TF-BTWO 10	25
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWO 6/2	25	PC-BTWO 10/2	25	PC-BTWO 10/2	25	PC-BTWO 10/2	25
	3	PC-BTWO 6/3	20	PC-BTWO 10/3	20	PC-BTWO 10/3	20	PC-BTWO 10/3	20
	4	PC-BTWO 6/4	15	PC-BTWO 10/4	15	PC-BTWO 10/4	15	PC-BTWO 10/4	15
	7	PC-BTWO 6/7	5	PC-BTWO 10/7	5	PC-BTWO 10/7	5	PC-BTWO 10/7	5
	10	PC-BTWO 6/10	5	PC-BTWO 10/10	5	PC-BTWO 10/10	5	PC-BTWO 10/10	5
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 8 mm wide PF3 PF4 PF5	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 DIN EN 50022	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 IDG6/5 IDG10/5 IDG10/6		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440
		IDG 10/6-BTW	360	IDG 10/6-BTW	360	IDG 10/6-BTW	360	IDG 10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.

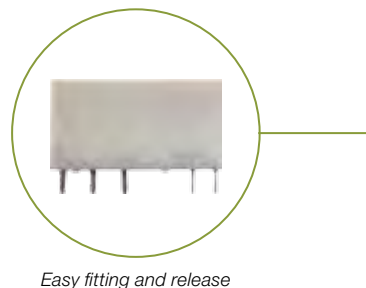
## BTWR Series - Terminal Blocks Relays

The BTWR interface relay receives an AC or DC signal from the controller (mA) and switch its output (with higher current-carrying capacity) that will be sent to the field (actuators and sensors).

In this way, the interface relay has the functions of switching, amplification, isolation and protection of the controller's output.

### Main Advantages of BTWR Series

- Available in voltages of 24/48/60/110/230 V ac/dc
- Quick installation
- 6.2 mm thickness
- 1 reversible contact
- LED indicator
- Easy relay connection
- Anti-vibration system
- CE certification



Easy fitting and release





## Selection Guide - Terminal Blocks Relays

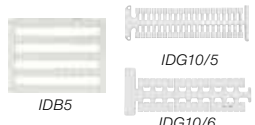
### BTWR Series - Terminal Blocks

		BTWR P16E26 6.2 mm wide		BTWR P16E27 6.2 mm wide		BTWR P16E28 6.2 mm wide		
								
Technical data		Voltage / Current / Cross section						
Coil voltage		24 V ac/dc / 6 A		48 V ac/dc / 6 A		60 V ac/dc / 6 A		
Cable stripping		8 mm		8 mm		8 mm		
Tightening torque		0.4 Nm		0.4 Nm		0.4 Nm		
Contact band		6 A 250 V ac / 30 V dc						
Maximum switching voltage		400 V ac (3.7 A) / 125 V dc (1.4 A)						
Maximum switching current		6 A						
Maximum switching power		1,500 VA / 180 W						
Mechanical lifecycle		1x10 <sup>7</sup> operations						
Electrical lifecycle		(NO) 3x10 <sup>4</sup> operations (85 °C) (NC) 1x10 <sup>4</sup> operations (85 °C)						
Clearance resistance		1,000 MΩ (500 V dc)						
Operation time		10ms máx.						
Relay indication		LED green						
Connection capacity								
Flexible cable		2.5 mm <sup>2</sup>						
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
Polyamide 66	Grey	BTWR P16E26	10	BTWR P16E27	10	BTWR P16E28	10	
Connecting bridge	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
	Grey	PC-BTWR 2.5/16R	50	PC-BTWR 2.5/16R	50	PC-BTWR 2.5/16R	50	
Relay base		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
		BR-BTWR 2.5/1R E26	1	BR-BTWR 2.5/1R E27	1	BR-BTWR 2.5/1R E28	1	
Relay module		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
		RE-BTWR 4 C03	1	RE-BTWR 2.5R C03	1	RE-BTWR 2.5R C09	1	
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
8 mm wide 	Grey	PF3-BTW	100	PF3-BTW	100	PF3-BTW	100	
	Grey	PF4-BTW	100	PF4-BTW	100	PF4-BTW	100	
	Grey	PF5-BTW	100	PF5-BTW	100	PF5-BTW	100	
Rail / support		Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
DIN EN 50022 		Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
		Support	ST-BTW	25	ST-BTW	25	ST-BTW	25
Group identifier		Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
		Grey	IG-BTW	50	IG-BTW	50	IG-BTW	50
		Clear	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25	IG22-BTW <sup>1)</sup>	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	
		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	
		IDG10/5-BTW	440	IDG10/5-BTW	440	IDG10/5-BTW	440	
		IDG 10/6-BTW	360	IDG 10/6-BTW	360	IDG 10/6-BTW	360	

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



# BTWR Series - Terminal Blocks

		BTWR P16E26 6.2 mm wide		BTWR P16E26 6.2 mm wide	
					
Technical data		Voltage / Current / Cross section			
Coil voltage		110 V ac/dc / 6 A		230 V ac/dc / 6 A	
Cable stripping		8 mm		8 mm	
Tightening torque		0.4 Nm		0.4 Nm	
Contact band		6 A 250 V ac / 30 V dc			
Maximum switching voltage		400 V ac (3.7 A) / 125 V dc (1.4 A)			
Maximum switching current		6 A			
Maximum switching power		1,500 VA / 180 W			
Mechanical lifecycle		1x107 operations			
Electrical lifecycle		(NO) 3x104 operations (85 °C) (NC) 1x104 operations (85 °C)			
Clearance resistance		1,000 MΩ (500 V dc)			
Operation time		10ms máx.			
Relay indication		LED green			
Connection capacity					
Flexible cable		2.5 mm²			
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWR P16E29	10	BTWR P16E31	10
Connecting bridge	Color	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	PC-BTWR 2.5/16R	50	PC-BTWR 2.5/16R	50
Relay base		Reference code	Qty/pack	Reference code	Qty/pack
		BR-BTWR 2.5/1R E29	1	BR-BTWR 2.5/1R E31	1
Relay module		Reference code	Qty/pack	Reference code	Qty/pack
		RE-BTWR 2.5R C09	1	RE-BTWR 2.5R C09	1
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack
 PF3 PF4 PF5	Grey	PF3-BTW	100	PF3-BTW	100
	Grey	PF4-BTW	100	PF4-BTW	100
	Grey	PF5-BTW	100	PF5-BTW	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack
 DIN EN 50022	Rail	MR 35x7.5	2 m busbars	MR 35x7.5	2 m busbars
	Support	ST-BTW	25	ST-BTW	25
Group identifier	Color	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	IG-BTW	50	IG-BTW	50
	Clear	IG22-BTW <sup>(1)</sup>	25	IG22-BTW <sup>(1)</sup>	25
Identifier <sup>(2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack
 IDB5 IDG10/5 IDG10/6		IDB5-BTW	500	IDB5-BTW	500
		IDG10/5-BTW	440	IDG10/5-BTW	440
		IDG 10/6-BTW	360	IDG 10/6-BTW	360

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.

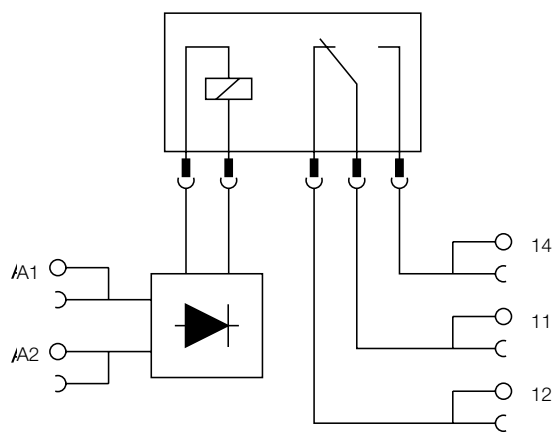




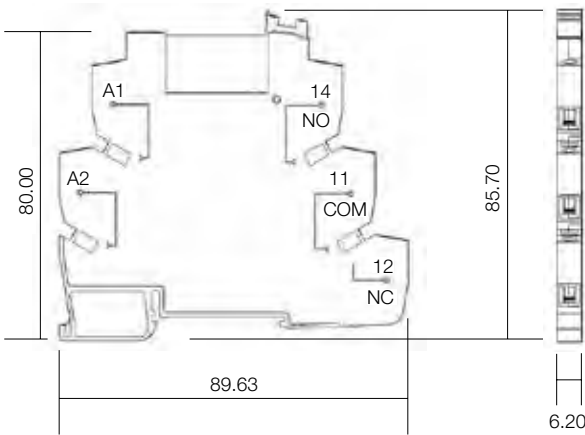
# BTWR Series

## Block Diagram and Dimensions

Block diagram



Dimensions (mm)





## BTWK/BTWY Series - Mini Terminal Blocks

Ideal solution for projects with limited space in panels, junction boxes and terminal box of motors, such as manufacturers of small machines.

Can be assembled on a miniature DIN rail on a flat surface and assembly boards.

### Main Advantages of BTWK / BTWY Series

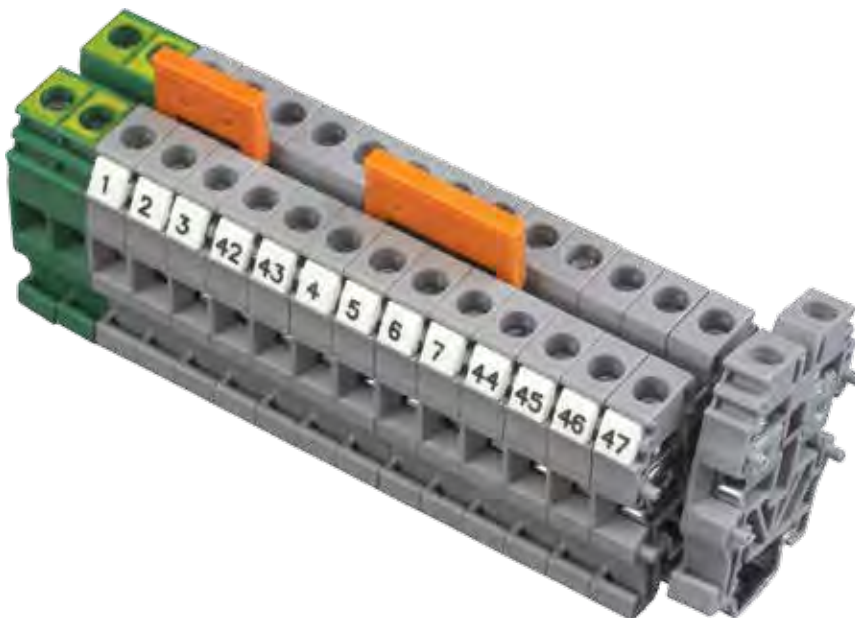
- Cross-section cables from 0.5 to 4 mm<sup>2</sup>
- Available in two connection versions:
  - Screw type
  - Spring clamp type
- Application in space-constrained environments
- Complete range of accessories
- CE certification



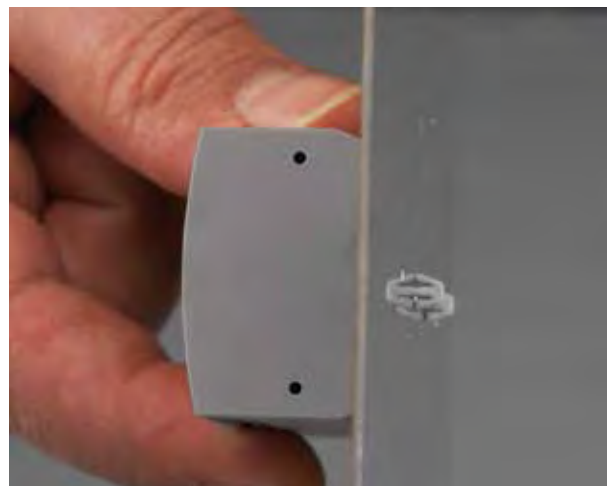
BTWK



BTWY



### Surface Mounting Option





## Selection Guide

### - Mini Terminal Blocks with Screw Type Connection

#### BTWK Series - Mini Terminal Blocks with Screw Type Connection

		BTWK 2.5 5 mm wide		BTWK 4 6 mm wide		BTWK 2.5T 5 mm wide		BTWK 4T 6 mm wide	
									
Technical data		Voltage / Current / Cross section							
IEC 60947-7-1		400 V~ / 24 A / 2.5 mm²		400 V~ / 32 A / 4 mm²		2.5 mm²		4 mm²	
UL / CSA		300 V~ / 20 A / AWG 26 - 12		300 V~ / 30 A / AWG 24 - 10		AWG 26 - 12		AWG 24 - 10	
Cable stripping		12 mm		10 mm		10 mm		10 mm	
Tightening torque		1.2 Nm		0.5 Nm		0.4 Nm		0.5 Nm	
Connection capacity									
Rigid wire		0.5 - 4 mm²		0.5 - 6 mm²		0.5 - 4 mm²		0.5 - 6 mm²	
Flexible cable		0.5 - 4 mm²		0.5 - 6 mm²		0.5 - 4 mm²		0.5 - 6 mm²	
AWG conductor		16...8		26...10		26...12		26...10	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWK 2.5	100	BTWK 4	100	-		-	
	Green	-		-		BTWK 2.5T	10	BTWK 4T	10
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	TF-BTWK 2.5-4	100	TF-BTWK 2.5-4	100	TF-BTWK 2.5-4T	100	TF-BTWK 2.5-4T	100
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 4/2	25	PC-BTWM 2.5/2	25	PC-BTWM 4/2	25
	3	PC-BTWM 2.5/3	20	PC-BTWM 4/3	20	PC-BTWM 2.5/3	20	PC-BTWM 4/3	20
	4	PC-BTWM 2.5/4	15	PC-BTWM 4/4	15	PC-BTWM 2.5/4	15	PC-BTWM 4/4	15
	10	PC-BTWM 2.5/10	5	PC-BTWM 4/10	5	PC-BTWM 2.5/10	5	PC-BTWM 4/10	5
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 PF2	Grey	PF2-BTW-3	100	PF2-BTW-3	100	PF2-BTW-3	100	PF2-BTW-3	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 DIN EN 50022	Rail	MR 15x5.5	Busbars 1 m	MR 15x5.5	Busbars 1 m	MR 15x5.5	Busbars 1 m	MR 15x5.5	Busbars 1 m
	Support	ST-BTW	25	ST-BTW	25	ST-BTW	25	ST-BTW	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 IDB5 IDG6/5		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400

Notes: 1) For assembly on PF4-BTW end bracket.  
2) Further details about identifiers on page 48.



## Selection Guide

### - Mini Terminal Blocks with Spring Clamp Connection

#### BTWY Series - Mini Terminal Blocks with Spring Clamp Connection

		BTWY 2.5 5 mm wide		BTWY 2.5P 5 mm wide		BTWY 2.5S 5 mm wide		BTWY 2.5T 5 mm wide	
									
Technical data		Voltage / Current / Cross section							
IEC 60947-7-1		750 V~ / 24 A / 2.5 mm <sup>2</sup>		750 V~ / 24 A / 2.5 mm <sup>2</sup>		750 V~ / 24 A / 2.5 mm <sup>2</sup>		2.5 mm <sup>2</sup>	
UL / CSA		600 V~ / 20 A / AWG 22 - 12		600 V~ / 20 A / AWG 22 - 12		600 V~ / 20 A / AWG 22 - 12		AWG 22 - 12	
Cable stripping		10 mm		10 mm		10 mm		10 mm	
Connection capacity									
Rigid wire		0.5 - 4 mm <sup>2</sup>		0.5 - 4 mm <sup>2</sup>		0.5 - 4 mm <sup>2</sup>		0.5 - 4 mm <sup>2</sup>	
Flexible cable		0.5 - 2.5 mm <sup>2</sup>		0.5 - 2.5 mm <sup>2</sup>		0.5 - 2.5 mm <sup>2</sup>		0.5 - 2.5 mm <sup>2</sup>	
AWG conductor		22...12		22...12		22...12		22...12	
Raw material - plastic body	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
Polyamide 66	Grey	BTWY 2.5	50	BTWY 2.5P	100	BTWY 2.5S	100	-	
	Green	-		-		-		BTWY 2.5T	50
End plate	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	Grey	TF-BTWY	100	TFF-BTWY 2.5E <sup>3)</sup>	100	TF-BTWY 2.5E <sup>3)</sup>	100	-	-
				TFF-BTWY 2.5D <sup>3)</sup>	100	TF-BTWY 2.5D <sup>3)</sup>	100	-	-
	Green	-	-	-	-	-	-	TF-BTWY 2.5T	10
Connecting bridge	Nr. poles	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
	2	PC-BTWM 2.5/2	25	PC-BTWM 2.5/2	25	PC-BTWM 2.5/2	25	PC-BTWM 2.5/2	25
	3	PC-BTWM 2.5/3	20	PC-BTWM 2.5/3	20	PC-BTWM 2.5/3	20	PC-BTWM 2.5/3	20
	4	PC-BTWM 2.5/4	15	PC-BTWM 2.5/4	15	PC-BTWM 2.5/4	15	PC-BTWM 2.5/4	15
	10	PC-BTWM 2.5/10	5	PC-BTWM 2.5/10	5	PC-BTWM 2.5/10	5	PC-BTWM 2.5/10	5
End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 PF2	Grey	PF2-BTW-3	100	Onboard fitting		Onboard fitting		PF2-BTW-3	100
Rail / support	Type	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 DIN EN 50022	Rail	MR 15x5.5	Busbars 1 m	Surface mounting		Surface mounting		MR 15x5.5	Busbars 1 m
	Support	ST-BTW	25					ST-BTW	25
Identifier <sup>2)</sup>		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack
 IDB5      IDG6/5		IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500	IDB5-BTW	500
		IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400	IDG6/5-BTW	400

Notes: 1) For assembly on PF4-BTW end bracket.

2) Further details about identifiers on page 48.

3) TF-BTWY 2.5E & TFF-BTWY 2.5E refer to closing plates for the left side of terminal block. TF-BTWY 2.5D & TFF-BTWY 2.5D refer to closing plates for the right side of the terminal block.



## Busbar Connectors

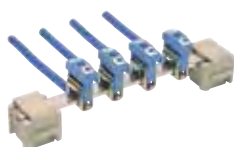
### CB Series

CB series busbar connectors		CB4		CB10		CB35					
											
Technical data											
Cross section		4 mm²			10 mm²			35 mm²			
Screw		M3			M4			M6			
Busbar dimensions		10x3 mm			10x3 mm			10x3 mm			
Cable stripping		16 mm			19 mm			19 mm			
Tightening torque		0.5 Nm			1.2 Nm			2.8 Nm			
Connection capacity											
Rigid wire		0.5...6 mm²			1.5...10 mm²			16...50 mm²			
Flexible cable		0.5...4 mm²			2.5...10 mm²			16...35 mm²			
Color		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack				
-		CB4-BTW	200	CB10-BTW	100	CB35-BTW	50				
Blue		CB4N-BTW	100	CB10N-BTW	100	CB35N-BTW	50				
Green/yellow		CB4PE-BTW	100	CB10PE-BTW	100	CB35PE-BTW	50				
Busbar support	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack				
	Beige	SB-BTW <sup>1)</sup>	50	SB-BTW <sup>1)</sup>	50	SB-BTW <sup>1)</sup>	50				
Busbar support / End bracket	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack				
	Grey	PF5-BTW <sup>2)</sup>	100	PF5-BTW <sup>2)</sup>	100	PF5-BTW <sup>2)</sup>	100				
Protection cover <sup>3)</sup>	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack				
	Clear	TT-BTW	1 m x 10	TT-BTW	1 m x 10	TT-BTW	1 m x 10				
Sealing pin (PF5-BTW + TT-BTW)	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack				
	Orange	PF5-BTW PE	4	PF5-BTW PE	4	PF5-BTW PE	4				
Holding plate for cover	Color	Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack				
	Grey	STT-BTW	2	STT-BTW	2	STT-BTW	2				
Copper busbar 10x3 mm		Reference code	Qty/pack	Reference code	Qty/pack	Reference code	Qty/pack				
Tinned		BR10x3	Busbars 1 m	BR10x3	Busbars 1 m	BR10x3	Busbars 1 m				

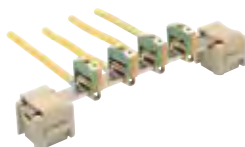
Note: 1) Also fits busbars of the following dimensions: 15x2 mm, 15x3 mm, 12x2 mm and 6x6 mm.

2) It's possible to assembly up to 3 bars of 10x3 mm on PF5-BTW.

3) The protection cover TT-BTW can be assembled using: PF5-BTW + PF5-BTW PE or just with STT-BTW.



Illustrative images only



The assembly shown above can be used as a busbar for circuits of distribution and control in electrical panels





## PWA3 & PWA4 Plotting Systems

PWA3 and PWA4 are the most flexible identification plotters for industrial applications, allowing to record all identification material like terminal blocks identifiers, self-adhesive plates and cable identifier plates with the use of only one plotter. The control is made by software in a clear and quick way and the plotter is connected to a computer via USB connection. The operation is possible with only few clicks, making recording a simple operation.



### Items Included with the PWA3 Plotter

- A3 Plotter - PWA3 (297x420)
- Two support trays for terminal block identifiers IDG-BTW / IDB5-BTW
- Two plotter pens 0.25 mm C025-PW
- Five refill inks for the plotter pen
- (5x1 ml) CT-PW
- One permanent pen (test) 0.30 mm CP030-PW
- One refill ink 30 ml RT-PW
- One cleaning kit KL-PW
- One plotter protection cover CP-PW
- One plate set for pen cleaning with 25 pieces

### Items Included with the PWA4 Plotter

- A4 Plotter - PWA4 (210x297)
- Support tray for terminal block identifier IDG-BTW
- Support tray for terminal block identifier IDB5-BTW
- Plotter pen 0.25 mm C025PD
- One plate set for pen cleaning with 25 pieces

## Accessories for PWA3 & PWA4 Plotting Systems

WEG has a full range of replacement accessories for the PWA3 & PWA4 plotting systems.

Description	Quantity	Reference code
Plotter ink replacement 30 ml	1	RT2-PW
Plotter ink replacement 5x1 ml	1	CT2-PW
Plotter ink replacement 30 ml	1	RT-PW
Plotter ink replacement 5x1 ml	5	CT-PW
Cleaning fluid 1x30 ml	1	FL-PW
Disposable plotter pen 0.18 mm	1	C018-PD
Disposable plotter pen 0.25 mm	1	C025-PD
Disposable plotter pen 0.35 mm	1	C035-PD
Disposable plotter pen 0.50 mm	1	C050-PD
Disposable plotter pen 0.70 mm	1	C070-PD
Disposable plotter pen 1.00 mm	1	C100-PD
Rechargeable plotter pen 0.18 mm	1	C018-PW
Rechargeable plotter pen 0.25 mm	1	C025-PW
Rechargeable plotter pen 0.35 mm	1	C035-PW
Rechargeable plotter pen 0.50 mm	1	C050-PW
Rechargeable plotter pen 0.70 mm	1	C070-PW
Rechargeable plotter pen 1.00 m	1	C100-PW
Permanent pen (test) 0.30 mm	1	CP030-PW
Cleaning kit	1	KL-PW
Plotting tray for identifiers	1	IDG-PW
Plotting tray for identifiers	1	IDB5-PW
Plotting tray for plates	1	KLM-PW
Suction device	1	BS-PW
Pen holder - plotter	1	CPC-PW



# PWEA4 Engraving System

The PWEA4 system records on multilayer surfaces of plastic, brass, aluminium and various materials.

The lettering is controlled quickly and easily through WEG software.

WEG has also available the PWE kit. It is used to adapt a plotting system PWA3/PWA4 into a PWEA4 engraving system.



## Items Included with the PWEA4 Engraving System

- USB cable
- Cutter head
- Support for cables and suction hoses
- Engraving needle with tip width of 0.50 mm
  - EN15-50 EN15-50

## Items Included with the PWE Engraving System

- USB cable
- Cutter head
- Support for cables and suction hoses
- Engraving needle with tip width of 0.50 mm
  - EN15-50
- Support for cutter head
- CNC controller
- Vacuum cleaner
- Board for alignment calibration

## Accessories for PWEA4 Plotting System

Description	Quantity	Reference code
Vacuum cleaner	1	VC-PWEA4
Vacuum cleaner bag	1	VCB-PWEA4
Engraving needle 15 degrees 0.20 mm	1	EN15-20
Engraving needle 15 degrees 0.30 mm	1	EN15-30
Engraving needle 15 degrees 0.40 mm	1	EN15-40
Engraving needle 15 degrees 0.50 mm	1	EN15-50
Engraving needle 15 degrees 0.70 mm	1	EN15-70
Engraving needle 15 degrees 1.00 mm	1	EN15-100
SET of engraving needles 15 degrees	1	EN15-SET
Double tooth cutter with tip width of 0.50 mm	1	FT-50
Double tooth cutter with tip width of 0.60 mm	1	FT-60
Double tooth cutter with tip width of 0.80 mm	1	FT-80
Double tooth cutter with tip width of 1.00 mm	1	FT-100
Double tooth cutter with tip width of 1.20 mm	1	FT-120
Double tooth cutter with tip width of 1.40 mm	1	FT-140
Double tooth cutter with tip width of 1.60 mm	1	FT-160
Double tooth cutter with tip width of 2.00 mm	1	FT-200
Double tooth cutter with tip width of 2.40 mm	1	FT-240
Double tooth cutter with tip width of 3.00 mm	1	FT-300

# Identifiers

## KIP/KBEP Identification Charts for Conductors

The clear identification of all conductors and cables contribute greatly to improved visualization in control panels and installations. Standardized and permanent identification of conductors is not luxury, but standard of quality required by the client for modern high quality investments.

We offer the following items for identification of conductors:

- Identification chart for conductors in dimension 15x4 mm (ref. KIP 15 W / Box with 480 units)
- Available in yellow and white colors
- Identification chart for conductors in dimension 18x4 mm (ref. KIP 18 W / Box with 240 units)
- Available in yellow and white colors





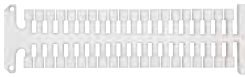

- Identification chart for conductors in dimension 23x4 mm (ref. KIP 23 W / Box with 240 units)
- Available in yellow and white colors
- Identification chart for conductors in dimension 30x4 mm (ref. KIP 30 W / Box with 240 units)
- Available in yellow and white colors



- Identification chart for conductors in dimension 20x9 mm (ref. KBEP209W / Box with 240 units)
- Available in white



## Identifiers for Terminal Blocks

Identifiers	IDB5	IDG6/5	IDG10/5	IDG10/6
				
Technical data				
Identifier dimensions (height x width)	5x5 mm	6x5 mm	10x5 mm	10x6 mm
Identifier color	White	White	White	White
Color of lettering	Black	Black	Black	Black
Number of identifiers per box	500	400	440	360
Lettering	Reference code			
Without lettering	IDB5-BTW	IDG6/5-BTW	IDG10/5T-BTW	IDG10/6T-BTW
Alphanumeric code upon request				

Notes: - The identifiers are supplied only in complete packs.  
- Custom lettering upon request.  
- Supplied in boxes.

## KKS/KBE Transparent Covers for Cable Identifiers

These cable identification systems are composed by covers and identification plates. The KKS covers are available from 1.5 up to 25 mm diameter.

For larger cables use KBE-3 covers fixed with cable ties.



## Models Available

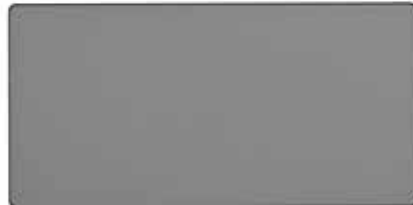
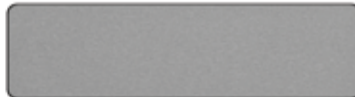
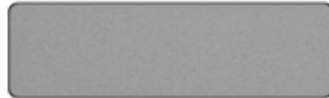
Cable diameter		Cover length	Pack (units)	Reference code
mm <sup>2</sup>	AWG			
0.5...1.5	20...16	15 mm	2000	KKS 15/0.5-1.5
0.5...1.5	20...16	18 mm	2000	KKS 18/0.5-1.5
0.5...2.5	20...16	23 mm	2000	KKS 23/0.5-2.5
0.5...1.5	20...16	30 mm	1200	KKS 30/0.5-1.5
1.5...2.5	16...14	15 mm	500	KKS 15/1.5-2.5
1.5...2.5	16...14	18 mm	500	KKS18/1.5-2.5
1.5...2.5	16...14	23 mm	500	KKS 23/1.5-2.5
1.5...2.5	16...14	30 mm	500	KKS 30/1.5-2.5
2.5...4	14...12	15 mm	500	KKS 15/2.5-4
2.5...4	14...12	18 mm	500	KKS18/2.5-4
2.5...4	14...12	23 mm	500	KKS 23/2.5-4
2.5...4	14...12	30 mm	500	KKS 30/2.5-4
6...10	10...8	15 mm	500	KKS 15/6-10
6...10	10...8	18 mm	500	KKS18/6-10
6...10	10...8	23 mm	500	KKS 23/6-10
6...10	10...8	30 mm	200	KKS 30/6-10
16...25	6...4	15 mm	500	KKS 15/16-25
16...25	6...4	18 mm	500	KKS18/16-25
16...25	6...4	23 mm	200	KKS 23/16-25
16...25	6...4	30 mm	200	KKS 30/16-25
> 20	> 4	20 mm	120	KBE-3

# KLM Self-Adhesive Plate Sheets

The identification of electric components and control panels is a requirement for fast and objective task completion. WEG offers excellent self-adhesive plates in several sizes. This type of identification is economical and has highly resistant characteristics. WEG currently provides nine distinct sizes of self-adhesive plates, according to the information below:



- 27x12.5 mm self-adhesive plates kit with 120 plates (ref. KLM 27x12.5)
- 45x14 mm self-adhesive plates kit with 80 plates (ref. KLM 45x14)
- 45x19 mm self-adhesive plates kit with 56 plates (ref. KLM 45x19)
- 27x18 mm self-adhesive plates kit with 90 plates (ref. KLM 27x18)
- 70x35 mm self-adhesive plates kit with 20 plates (ref. KLM 70x35)
- 120x35 mm self-adhesive plates kit with 10 plates (ref. KLM 120x35)
- 20x8 mm self-adhesive plates kit with 306 plates (ref. KLM 20x8)
- 60x30 mm self-adhesive plates kit with 24 plates (ref. KLM 60x30)
- 52x26 mm self-adhesive plates kit with 35 plates (ref. KLM 52x26)











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