

# Terminal blocks

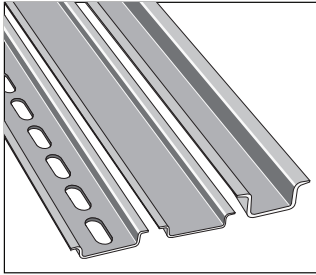
## J - Accessories



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## Mounting rails Symmetrical - DIN 3



These rails are often used as grounding bars. The current carrying capacity of these rails and the copper wire sizes required to carry that current are given below.

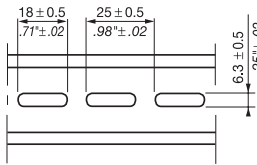
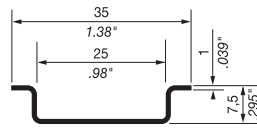
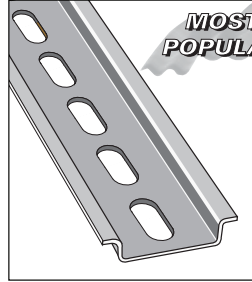
### RAIL CURRENT CARRYING CAPACITY

Rail	Material	Current (A)	Wire size AWG	mm <sup>2</sup>
TS 35/F6	Steel	65	8	10
TS 35	Steel	87	6	16
TS 35/S	Steel	87	6	16
TS 35	Aluminum	265	000	95
TS 35	Copper	150	0	50
TS 35	Plastic	0		

All rails are in compliance with EN 50022 standard (DIN 46277-3 - NFC 63015) DIN 3.

Tolerances are ± unless otherwise noted.

### TS 35/F6

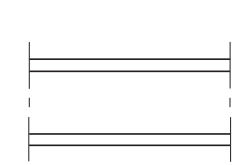
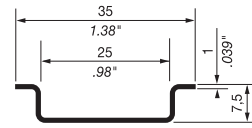
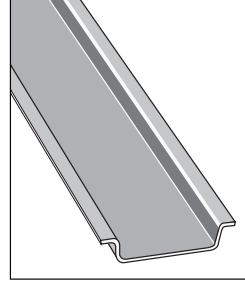


Type P/N  
PR30 (TS 35/F6) 0173 220.05

White passivated galvanized steel, prepunched length 2 m 6'6" (78") approx. The length and prepunched cut out dimensions are approximate.

PR30 (TS 35/F6) 0101 508.04  
Length 1 m 3'3" (39") approx.

### TS 35

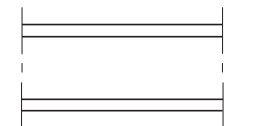
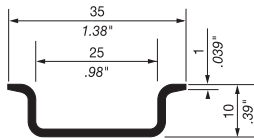
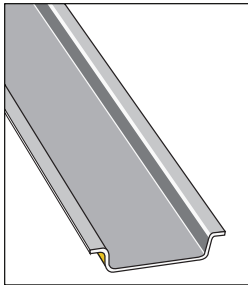


Type P/N  
PR3.Z2 (TS 35) 0174 300.17

White passivated galvanized steel. Length 2 m 6'6" (78") approx.

PR3.Z2 (TS 35) 0101 513.10  
Length 1 m 3'3" (39") approx.

### TS 35/S

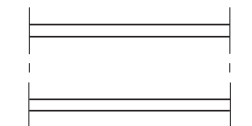
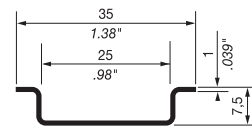
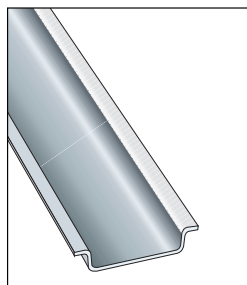


Type P/N  
PR3.10 (TS 35/S) 0101 597.15

White passivated galvanized steel. Height 10 mm (0.39"), length 2 m 6'6" (78") approx.

PR3.10 (TS 35/S) 0101 512.17  
Length 1 m 3'3" (39") approx.

### TS 35 Aluminum Rail

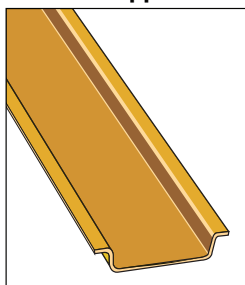


Type P/N  
PR3.AL (TS 35)

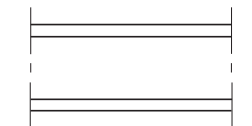
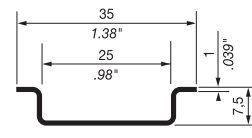
Aluminum rail.

PR3.AL (TS 35) 0101 500.24  
Length 1 m 3'3" (39") approx.

### TS 35 Copper Rail



Sold in North America only.

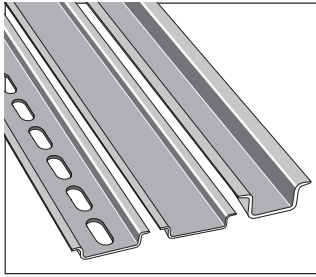


Type P/N  
PR3.CU (TS 35) 0101 592.10

Copper rail. Length 2 m 6'6" (78") approx.

PR3.CU (TS 35) 0101 595.13  
Length 1 m 3'3" (39") approx.

### Mounting rails Symmetrical - DIN 3



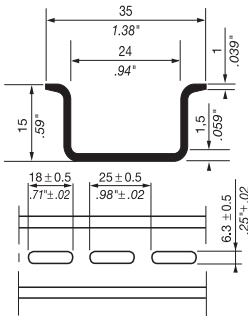
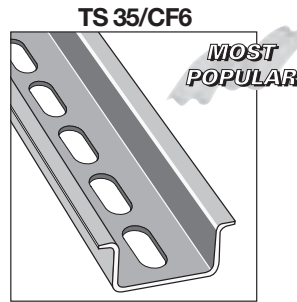
These rails are often used as grounding bars. The current carrying capacity of these rails and the copper wire sizes required to carry that current are given below.

#### RAIL CURRENT CARRYING CAPACITY

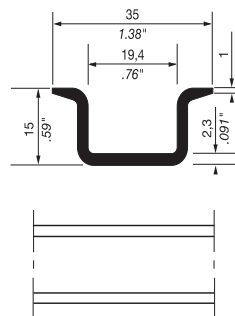
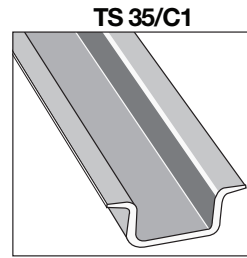
Rail	Material	Current (A)	Wire size AWG	mm <sup>2</sup>
TS 35/CF6	Steel	125	4	25
TS 35/C1	Steel	143	2	35
TS 35/C	Steel	125	4	25
TS 35/C ALU	Aluminum	265	000	95
High rail 90°	Steel	65	8	10
High rail 30°	Steel	65	8	10

All rails are in compliance with EN 50022 standard (DIN 46277-3 - NFC 63015) DIN 3.

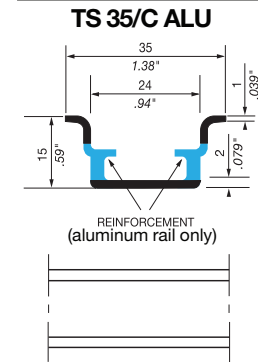
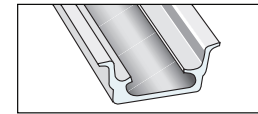
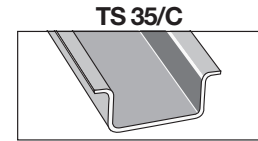
Tolerances are ± unless otherwise noted.



Type	P/N
PR5 (TS 35/CF6)	0101 598.26
White passivated galvanized steel, prepunched length 2 m 6'6" (78") approx. The length and prepunched cut out dimensions are approximate.	
PR5 (TS 35/CF6)	0101 509.05
Length 1 m 3'3" (39") approx.	

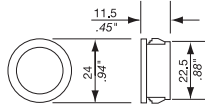
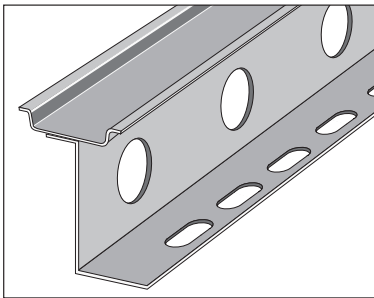


Type	P/N
PR4 (TS 35/C1)	0168 500.12
White passivated galvanized steel. Length 2 m 6'6" (78") approx.	
PR4 (TS 35/C1)	0101 517.14
Length 1 m 3'3" (39") approx.	



Type	P/N
PR5 (TS 35/C)	0168 700.22
White passivated galvanized steel. Length 2 m 6'6" (78") approx. Length 1 m 3'3" (39") approx.	
PR5 (TS 35/C)	0101 515.12
Length 1 m 3'3" (39") approx.	
PR5.A2 (TS 35/C ALU)	0101 502.26
Reinforced aluminum. Length 2 m 6'6" (78") approx. Length 1 m 3'3" (39") approx.	
PR5.A2 (TS 35/C ALU)	0101 899.24
Length 1 m 3'3" (39") approx.	

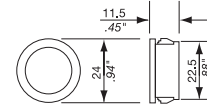
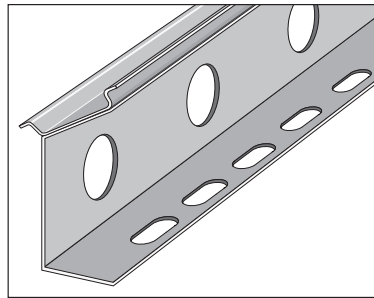
### TS 35, High Rail 90°



Insert for rail knockout:  
Open grommet, black 0106 064.26  
Closed blind plug, black 0106 083.12

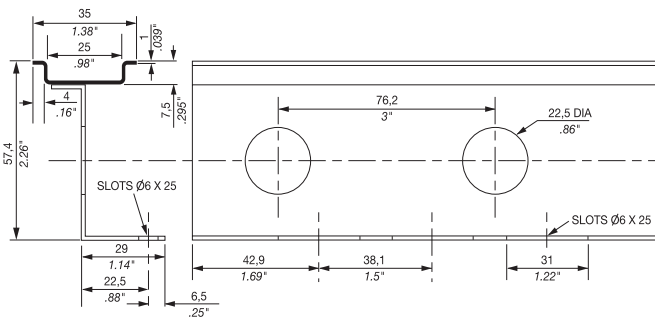
Sold in North America only.

### TS 35, High Rail 30°

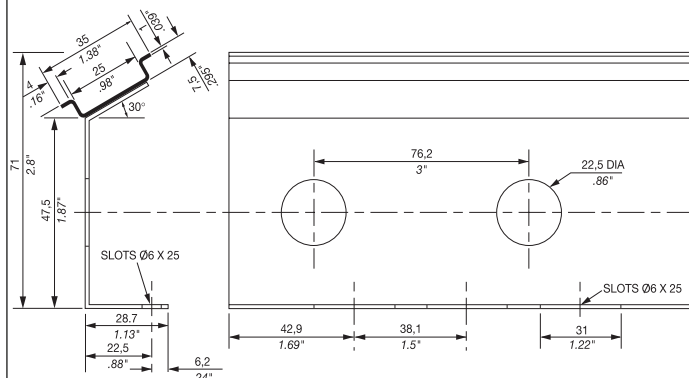


Insert for rail knockout:  
Open grommet, black 0106 064.26  
Closed blind plug, black 0106 083.12

Sold in North America only.



Type	P/N	Type	P/N
PR3.Z2 HR90 ALU	XUS001736	PR3.Z2 HR90 ALU	XUS001735
Aluminum, prepunched length 2 m 6'6" (78") approx. The length and prepunched cut out dimensions are approximate.		Aluminum. Length 1 m 3'3" (39") approx.	

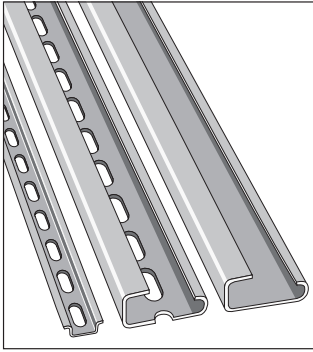


Type	P/N	Type	P/N
PR3.Z2 HR30 ALU	XUS001738	PR3.Z2 HR30 ALU	XUS001737
Aluminum, prepunched length 2 m 6'6" (78") approx. The length and prepunched cut out dimensions are approximate.		Aluminum. Length 1 m 3'3" (39") approx.	

## Mounting rails

### Asymmetrical - DIN 1

### Symmetrical - DIN 2

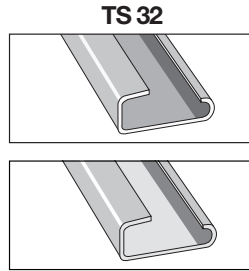


The "Series 5000" terminal blocks snap onto the PR1 asymmetrical DIN 1 rails described here.

The "Series DR" terminal blocks snap onto the PR2 symmetrical DIN 2 rail described here.

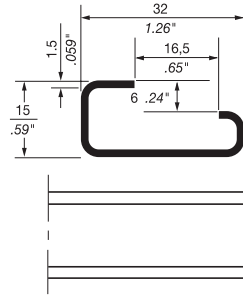
These rails are often used as grounding bars. The current carrying capacity of these rails and the copper wire sizes required to carry that current are given below.

Rail	Material	Current (A)	Wire size AWG	Wire size mm <sup>2</sup>
TS 32	Steel	143	2	35
TS 32 ALU	Aluminum	265	000	95
TS 32/F6	Steel	100	4	25
TS 15/F	Steel	35	12	4
TS 15	Steel	47	10	6



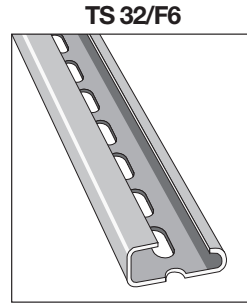
**TS 32 ALU**

Asymmetrical 32 mm 1.26" G rail in compliance with EN 50035 standard (DIN 46277-1 - NFC 63018) DIN 1

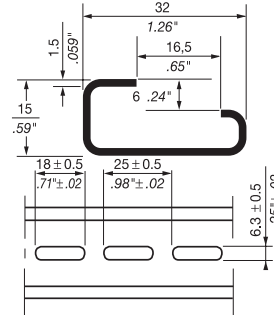


Type P/N

- PR1.Z2 (TS 32)**  
White passivated galvanized steel.  
Length 2 m 6'6" (78") approx. **0163 050.04**  
Length 1 m 3'3" (39") approx. **0101 596.14**
- PR1.A2 (TS 32 ALU)**  
Aluminum alloy  
Length 2 m 6'6" (78") approx. **0167 120.23**  
Length 1 m 3'3" (39") approx. **0101 603.07**

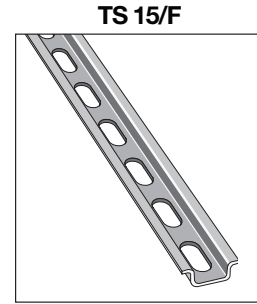


Asymmetrical 32 mm 1.26" G rail in compliance with EN 50035 standard (DIN 46277-1 - NFC 63018) DIN 1

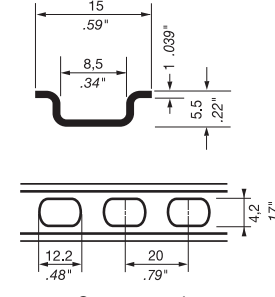


Type P/N

- PR1 (TS 32/F6)**  
Prepunched white passivated galvanized steel.  
Length 2 m 6'6" (78") approx. **0101 501.25**  
Length 1 m 3'3" (39") approx. **0101 511.16**



Symmetrical rail 15 mm .59" in compliance with EN 50045 standard (DIN 46277.2)



One meter only.

Type P/N

- PR2 (TS 15/F)** **0101 673.00**  
Prepunched white passivated galvanized steel.  
Length 1 m 3'3" (39") approx.
- PR2 (TS 15)** **0101 674.01**  
Zinc bichromate plated steel.  
Not prepunched.  
Length 1 m 3'3" (39") approx.

## Rail tolerances

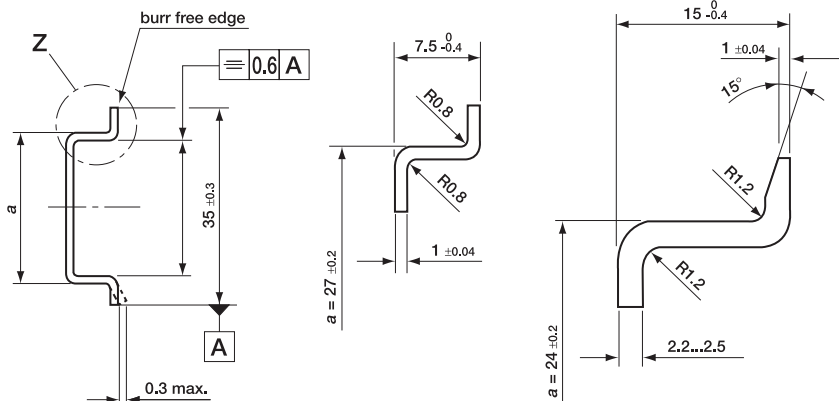
### Symmetrical - DIN 3

Rail length: supplied in lengths of 1 or 2 meters or in custom cut lengths. Allow 3 mm for the rail cutting blade thickness.

Shown for DIN rails 35 mm wide and either 7.5 mm or 15 mm high. For other rail tolerances, contact Entelec.

Dimensions apply over the whole length of the DIN rail, but shall not be verified anywhere less than 10 mm from the ends.

All dimensions in millimeters.



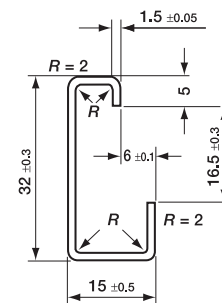
### Asymmetrical - DIN 1

Rail length: supplied in lengths of 1 or 2 meters or in custom cut lengths. Allow 3 mm for the rail cutting blade thickness.

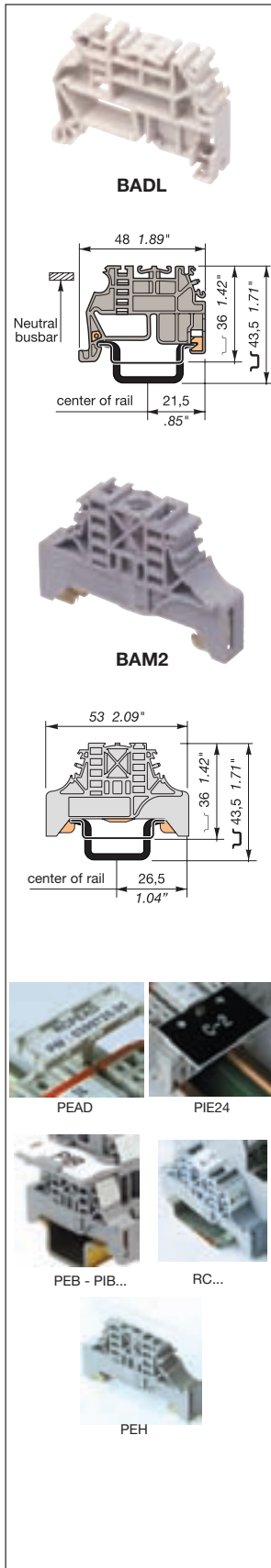
Shown for DIN 1 rails 32 mm wide and 15 mm high.

Dimensions apply over the whole length of the DIN rail, but shall not be verified anywhere less than 10 mm from the ends.

All dimensions in millimeters.



# End stops



## BADL

### Characteristics

Screwless, snaps on rail without tool. V0 grey polyamide for DIN 3 rail. Maintained in place and locked on the rail with metal grips. To reposition, do not slide on the rail. Withdraw and snap again (screwdriver DIA. 6,5 mm .256" max.)

Thickness : 9 mm .354"

### Selection

Description	Type	Order P/N	Packaging Weight kg
Screwless snap on end stop grey (same colour as spring, ADO System® and ATEX blocks)	<input type="checkbox"/> BADL	9 mm 1SNA 399 903 R0200	

## BAM2

### Characteristics

End stop of polyamide, equipped with a steel clamp allows mounting on PR3, PR4 and PR5 (DIN 3) rails.

Recommended screwdriver : DIA. 5,5 mm .217"

Recommended torque : Min. 0,8 mN - Max. 1 mN *Min. 7.1 lb.in - Max. 8.9 lb.in*

Thickness : 10 mm .394"

### Selection

Description	Type	Order P/N	Packaging Weight kg
End stop equipped with a steel clamp grey (same colour as screw blocks)	<input type="checkbox"/> BAM2	10 mm 1SNA 206 351 R1600	
grey (same colour as spring, ADO System® and ATEX blocks)	<input type="checkbox"/> BAM2	10 mm 1SNA 399 967 R0100	
beige (same colour as railway blocks)	<input type="checkbox"/> BAM2	10 mm 1SNA 296 351 R0000	

### Accessories

Adjustable marker-holder for end stop grey	<input type="checkbox"/> PEAD		1SNA 399 719 R1000	
Card of 40 blank markers for PEAD	RCPEAD	29 x 9 mm	1SNA 399 725 R0600	
Card of 20 transparent protection markers for PEAD	EPR2		1SNA 399 726 R0700	
Marker-holder, white engraving on black background, screw mounting on BADL	PIE24 (1)	37 x 24 mm	1SNA 007 871 R2400	
Marker-holder snapped on end stop (no marker included) (screw range)	gris <input type="checkbox"/> PEB	35 x 17 mm	1SNA 113 077 R1100	
(Atex-Spring-ADO)	gris <input type="checkbox"/> PEB	35 x 17 mm	1SNA 195 077 R1400	
Strip of 7 markers for PEB, to be printed with AMS500	PIB3	35 x 17 mm	1SNA 235 462 R2200	
Marker for PEB, white marking on black background	PIB	35 x 17 mm	1SNA 173 812 R1300	
Protection for PIB... marker	EPR1		1SNA 178 431 R2200	
PEB marker holder with marker to be written by hand or marking system, protection included	PEBM		1SNA 113 084 R0100	
Horizontal marker-holder, slide mouting on top of end stop	PEH		1SNA 163 211 R2600	
Card of 120 blank precut markers for PEH	RPEH	40 x 5 mm	1SNA 163 007 R2600	
Markers	RC810	8 mm	see marking section	
	RC1010	10 mm		
	RPA			

(1) For BADL only

# End stops

## Tall end stop BADH, BAEH

### Characteristics

Tall end stop of polyamide, for use with M 70/22, M 95/26 blocks, power blocks, double or triple deck blocks, and electronic interface modules series 7000, 8000, 10000, 11000 and 30000. Snaps on rail - Easy mounting and repositioning, even between 2 blocks.

Recommended screwdriver : DIA. 5,5 mm .217"

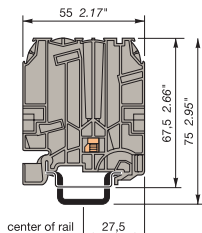
Recommended torque : Min. 1,2 Nm - Max. 1,4 Nm

Min. 10.6 lb.in - Max. 12.3 lb.in

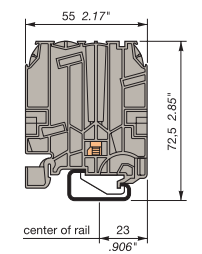
Thickness : 12 mm .472"



**BADH**



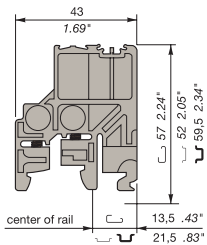
**BADH**



**BAEH**



**BAMH**



PEB - PIB...

RC...



PEH

### Selection

Description	Type	Order P/N	Packaging Weight kg
Snap on end stop, mounting on symmetrical DIN 3  rails	grey <input type="checkbox"/> BADH	12 mm 1SNA 116 900 R2700	
Snap on end stop, mounting on asymmetrical DIN 1  rail	grey <input type="checkbox"/> BAEH	12 mm 1SNA 116 934 R0400	

## Tall end stop BAMH

### Characteristics

Multi-rail end stop of V2 or V0 polyamide equipped with 2 blocking screws allows mounting on PR1, PR3, PR4 and PR5 (DIN 1, DIN 3) rails. Suitable for double deck blocks.

Recommended screwdriver : DIA. 5,5 mm .217"

Recommended torque : Min. 0,8 mN - Max. 1 mN Min. 7.1 lb.in - Max. 8.9 lb.in

Thickness : 9,1 mm .358"

### Selection

Description	Type	Order P/N	Packaging Weight kg
Multi-rail end stop	grey <input type="checkbox"/> BAMH	9,1 mm 1SNA 114 836 R0000	
Multi-rail end stop V0	beige <input type="checkbox"/> BAMH	9,1 mm 1SNA 194 836 R0100	

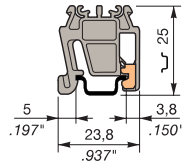
### Accessories

Marker-holder snapped on end stop (no marker included)	PEB	35 x 17 mm	1SNA 113 077 R1100	
Strip of 7 markers for PEB, to be printed with AMS500	PIB3	35 x 17 mm	1SNA 235 462 R2200	
Marker for PEB, white marking on black background	PIB	35 x 17 mm	1SNA 173 812 R1300	
Protection for PIB... marker	EPR1		1SNA 178 431 R2200	
PEB marker holder with marker to be written by hand or marking system, protection included	PEBM		1SNA 113 084 R0100	
Horizontal marker-holder, slide mouting on top of end stop	PEH		1SNA 163 211 R2600	
Card of 120 blank precut markers for PEH	RPEH	40 x 5 mm	1SNA 163 007 R2600	
Card of 100 markers for vertical marking	RC810	8 mm	see marking section	
	RC1010	10 mm		
	RPA			

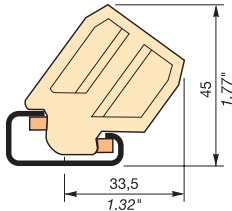
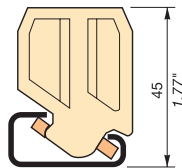
# End stops



**BADRL**



**BAR**



PIB...



PIE...



RPA

## BADRL

### Characteristics

End stop of V0 grey polyamide snaps on DIN 2 rail, automatically maintained in place with metal grips. To reposition, do not slide on the rail. Withdraw and snap again (screwdriver DIA. 4 mm .157" max.)

Thickness : 6,5 mm .256"

### Selection

Description	Type	Order P/N	Packaging Weight kg
Screwless snap on end stop grey (same colour as spring, ADO System® and ATEX blocks)	<input type="checkbox"/> BADRL 6,5 mm	1SNA 199 420 R2100	

## BAR

### Characteristics

Butée d'arrêt réversible en polyamide beige avec équerre de blocage. Montage vertical ou à 30°, sur PR1 uniquement.

Épaisseur : 10 mm .394"

### Selection

Description	Type	Order P/N	Packaging Weight kg
Screwless snap on end stop beige (same colour as railway blocks)	<input type="checkbox"/> BAR 10 mm	1SNA 164 519 R2400	

### Accessories

Marker-holder for group marking, white engraving on black ground, screw mounting on end stop

PIE9 (1)	37 x 9 mm	1SNA 167 257 R0000
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Marker-holder, white engraving on black background, screw mounting on end stops  
Mounting screw

PIE24 (1)	37 x 24 mm	1SNA 007 871 R2400
VST28 (1)		1SNA 167 335 R2600

Marker-holder snapped on end stop (no marker included)

PEB	35 x 17 mm	1SNA 113 077 R1100
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Strip of 7 markers for PEB, to be printed with AMS500

PIB3	35 x 17 mm	1SNA 235 462 R2200
------	------------	--------------------

Marker for PEB, white marking on black background

PIB	35 x 17 mm	1SNA 173 812 R1300
-----	------------	--------------------

Protection for PIB... marker

EPR1		1SNA 178 431 R2200
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Markers


RC610 (2)	6 mm	see marking section
RPA (1)		


(1) BAR only  
(2) BADRL only


# Circuit separators


## Separator end sections


Product	Type	Order P/N
	Possibility of marking, by the user, on the back of the separator. For blocks : <b>M 4/6</b> except <b>D</b> and <b>G</b> <b>M 6/8 - M 10/10</b> <b>M 4/6.H</b> <b>M 1,5/6.HH</b> and <b>ADV</b> Width : 51 mm 2.01" Thickness : 2 mm .079"	
Separator end section	grey <input type="checkbox"/> <b>SCF61</b>	1SNA 114 202 R2500

	For <b>M 4/6.D</b> block only. Extends 2 mm .079" around the block. Height : $\begin{matrix} \text{---} 61,5 \text{ mm } 2.42'' \\ \text{---} 69 \text{ mm } 2.72'' \\ \text{---} 66,5 \text{ mm } 2.62'' \end{matrix}$ Thickness : 1 mm .039"	
Separator end section	grey <input type="checkbox"/> <b>SCF6.D</b>	1SNA 118 495 R1700

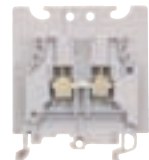
	Only for <b>NLTP</b> blocks. (1) With cut-out for busbar passage. Snapped on <b>PR3</b> , <b>PR4</b> and <b>PR5</b> rails. Extends 3 mm .12" around the block excepting on top. (2) Snapped onto the extremity of the <b>BJM62</b> connector bars before they are mounted on the blocks. Thickness (1) : 1,5 mm .059"	
Separator end section	grey <input type="checkbox"/> <b>SCF.D</b> (1)	1SNA 114 117 R0700
Circuit separator	white <input type="checkbox"/> <b>SCD</b> (2)	1SNA 103 189 R2600


	For spring blocks. Thickness : 2,5 mm .098"	
Separator end section	grey <input type="checkbox"/> <b>SCD5.2L</b>	1SNA 291 351 R0300
	orange <input type="checkbox"/> <b>SCD5.2L</b>	1SNA 291 352 R0400
	orange <input type="checkbox"/> <b>SCD5.3L</b>	1SNA 291 362 R0600
	orange <input type="checkbox"/> <b>SCD5.4L</b>	1SNA 291 372 R0000


	The <b>SCM</b> separator snaps onto the top of the open terminal blocks, once the terminal board is assembled. It does not increase the thickness of the blocks but extends 8 mm .315" on top. For blocks : <b>MA 2,5/5</b> (1) <b>MA 2,5/5.D</b> (2) <b>M 1,5/6.HH</b> and <b>ADV</b> blocks, <b>M 4/6</b> , <b>M 6/8</b> , <b>M 10/10</b> , <b>M 16/12</b> (3) <b>M 4/6.D</b> (4) <b>ADO System</b> ® blocks (5)	
Circuit separator	grey <input type="checkbox"/> <b>SCMA5</b> (1)	1SNA 116 728 R2500
	grey <input type="checkbox"/> <b>SCMA5D</b> (2)	1SNA 116 720 R2100
	grey <input type="checkbox"/> <b>SCM6</b> (3)	1SNA 113 003 R1000
	orange <input type="checkbox"/> <b>SCM6</b> (3)	1SNA 103 233 R2100
	grey <input type="checkbox"/> <b>SCM6D</b> (4)	1SNA 113 482 R0500
	grey <input type="checkbox"/> <b>SCAD</b> (5)	1SNA 196 896 R0000

Product	Type	Order P/N
	With possibility of mounting a protective cover <b>CPM</b> , and a marker-holder <b>PEP</b> . Extends 5 mm .20" on sides of the block and 11,5 mm .45" on top (1). For blocks : <b>MA 2,5/5</b> (1) <b>M 4/6</b> except <b>D</b> and <b>G</b> (1) (2) <b>M 6/8 - M 10/10</b> (1) (2) <b>M 4/6.H</b> (1) Height : $\begin{matrix} \text{---} 59,5 \text{ mm } 2.34'' \\ \text{---} 67 \text{ mm } 2.64'' \\ \text{---} 64,5 \text{ mm } 2.54'' \end{matrix}$ Width : 51 mm 2.01" Thickness : 3 mm .118"	
Separator end section	grey <input type="checkbox"/> <b>SCF6</b>	1SNA 118 707 R0300
	blue <input type="checkbox"/> <b>SCF6</b>	1SNA 128 707 R0500
	grey <input type="checkbox"/> <b>SCFM6</b>	1SNA 114 825 R0500


(1) For **SCF6**, snapped on block  
(2) For **SCFM6**, mounting on **PR1**, **PR4** and **PR5** rails

	With possibility of mounting a protective cover <b>CPM</b> , and a marker-holder <b>PEP</b> . Extends 5 mm .20" on sides of the block and 11,5 mm .45" on top. For blocks : <b>M 4/6.G</b> (1) <b>M 16/12</b> (2) <b>M 35/16</b> (3) <b>M 70/22</b> (4) <b>M 6/8.ST</b> (5) Thickness : 3 mm .118"	
Separator end section	grey <input type="checkbox"/> <b>SCF6G</b> (1)	1SNA 113 075 R1700
	grey <input type="checkbox"/> <b>SCF12</b> (2)	1SNA 113 102 R1000
	grey <input type="checkbox"/> <b>SCF16</b> (3)	1SNA 113 101 R1700
	grey <input type="checkbox"/> <b>SCF22</b> (4)	1SNA 113 851 R1600
	grey <input type="checkbox"/> <b>SCFT2</b> (5)	1SNA 114 522 R0500

	With possibility of mounting a protective cover <b>CPM</b> , and a marker-holder <b>PEP</b> . Snap on mounting on <b>PR1</b> , <b>PR3</b> , <b>PR4</b> and <b>PR5</b> . This separator does not replace an end section which must be used on the block. For blocks : <b>M 6/9.EE</b> <b>M 6/12.FF</b> Thickness : 1 mm .039"	
Separator end section	white <input type="checkbox"/> <b>SCF9</b>	1SNA 103 672 R0100

	Separator for use with 1/4 turn terminal blocks, with possibility of mounting one or two protective covers <b>CPM</b> side by side. Snap on mounting on <b>PR1</b> , <b>PR3</b> , <b>PR4</b> and <b>PR5</b> rails. Height : $\begin{matrix} \text{---} 63 \text{ mm } 2.48'' \\ \text{---} 70,5 \text{ mm } 2.78'' \\ \text{---} 68 \text{ mm } 2.68'' \end{matrix}$ Width : 77,5 mm 3.05" Thickness : 1 mm .039"	
Separator end section	grey <input type="checkbox"/> <b>SCFT1*</b>	1SNA 103 588 R2600

### Accessories :


	<b>CPM</b> cover protects the user from accidental touch on live circuits. It is clipped onto the end sections ( <b>FE</b> ), onto the intermediate sections ( <b>FJ</b> ) and onto the <b>SCF</b> , <b>SCFT</b> or <b>SCFM</b> separators. It can also be used for marking the terminal unit by means of a blank strip <b>RTC</b> , which slides into the cover. <b>CPM</b> width : 32 mm 1.26" <b>CPM</b> length : 500 mm 19.70" <b>RTC</b> width : 20 mm .79" <b>RTC</b> length : 1 m 39"	
Protective cover	clear <input type="checkbox"/> <b>CPM</b>	1SNA 187 312 R1400
	beige <input type="checkbox"/> <b>CPM</b>	1SNA 197 312 R1600
Top marking strip for CPM	<b>RTC</b>	1SNA 163 156 R2700
Marker holder	<b>PEP</b>	1SNA 113 762 R2400

This marker holder snaps on separator end sections **SCF** or **SCFM** and on the **ECP** and **ECS** power blocks' partitions. It can receive 1 label **RC610**.  
\*Note : Not to be mounted on **SCFT1** separator end section.

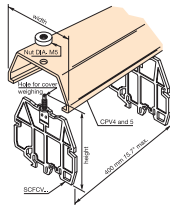


# Circuit separators

## Separator end sections (cont.)

Product	Type	Order P/N
 <p><b>SCFCV + CPV</b> Separator end section</p>	With possibility of mounting a protective cover <b>CPV</b> , and a marker-holder <b>PEP</b> . Snap on mounting on PR1, PR3, PR4 and PR5 rails. For blocks : <b>MA 2,5/5 - M 4/6 - M 6/8 - M 10/10 - M 16/12 - M 35/16 (1)</b> <b>M 6/8.STA - M 6/8.SF (2)</b> <b>M 70/22 - M 10/12.SF - MB 10/24.SF - MB 25/30.SF - MU 10/13 - M 10/13.TSF (3)</b> <b>M 6/8.ST (4)</b> Thickness : 3 mm .118"	
	grey <input type="checkbox"/> <b>SCFCV1-2 (1)</b>	1SNA 116 795 R1100
	grey <input type="checkbox"/> <b>SCFCV3 (2)</b>	1SNA 116 796 R1200
	grey <input type="checkbox"/> <b>SCFCV4 (3)</b>	1SNA 116 797 R1300
	grey <input type="checkbox"/> <b>SCFCV5 (4)</b>	1SNA 116 798 R2400

**Accessories :**



Protective cover of transparent PVC, length 1 m 3'3" (39") approx.  
For cover mounting, place a separator end section **SCFCV** every 400 mm approx., at terminal assembly extremities. It can also be used for marking the terminal unit by means of a blank marker strip **RTC**, which sticks under the cover.  
**RTC** width : 20 mm .79"  
**RTC** length : 1 m 39"

Separator	Cover	Width	Height
<b>SCFCV1-2</b>	<b>CPV1-2</b>	73 mm 2.87"	┌ 66 mm 2.62"
			└ 74 mm 2.91"
			└ 72 mm 2.83"
<b>SCFCV3</b>	<b>CPV3</b>	85 mm 3.35"	┌ 68,5 mm 2.70"
			└ 76 mm 2.99"
			└ 74 mm 2.91"
<b>SCFCV4</b>	<b>CPV4-S</b>	85 mm 3.35"	┌ 68,5 mm 2.70"
			└ 76 mm 2.99"
			└ 74 mm 2.91"
<b>SCFCV5</b>	<b>CPV4-S</b>	104 mm 4.09"	┌ 72 mm 2.83"
			└ 79,5 mm 3.13"
			└ 77,5 mm 3.05"

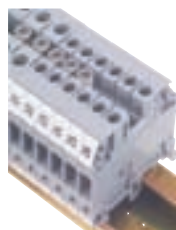
Protective cover	clear <input type="checkbox"/>	<b>CPV1-2</b>	1SNA 176 816 R1200
	clear <input type="checkbox"/>	<b>CPV3</b>	1SNA 176 817 R1300
	clear <input type="checkbox"/>	<b>CPV4-S</b>	1SNA 176 791 R2100
Top marking strip		<b>RTC</b>	1SNA 163 156 R2700
Marker holder		<b>PEP</b>	1SNA 113 762 R2400



**PEP**

This marker holder snaps on separator end section **SCFCV**.  
It can receive 1 label **RC610**.

# Jumper bars for screw clamp and ADO System® terminal blocks



BJMI5 - BJMI6 - BJMI8

## IP20 assembled screw jumper bars

Fractionable model, composed of captive screws on a jumper bar system, with IP20 protection touchproof. This accessory can be used for connecting consecutive blocks only.

Max. recommended torque : 0,6 Nm

### Selection

Description	Type	Order P/N	Packaging Weight kg
IP20 jumper bar for blocks MA 2,5/5			
24 A - 2 poles	BJMI5	1SNA 176 278 R1600	
24 A - 3 poles	BJMI5	1SNA 176 279 R1700	
24 A - 4 poles	BJMI5	1SNA 176 280 R0500	
24 A - 5 poles	BJMI5	1SNA 176 281 R2200	
24 A - 10 poles	BJMI5	1SNA 176 282 R2300	
IP20 jumper bar for blocks M 4/6			
32 A - 2 poles	BJMI6	1SNA 176 663 R0000	
32 A - 3 poles	BJMI6	1SNA 176 664 R0100	
32 A - 4 poles	BJMI6	1SNA 176 665 R0200	
32 A - 5 poles	BJMI6	1SNA 176 666 R0300	
32 A - 10 poles	BJMI6	1SNA 176 667 R0400	
IP20 jumper bar for blocks M 6/8			
41 A - 2 poles	BJMI8	1SNA 176 669 R1600	
41 A - 3 poles	BJMI8	1SNA 176 670 R1300	
41 A - 4 poles	BJMI8	1SNA 176 671 R0000	
41 A - 5 poles	BJMI8	1SNA 176 672 R0100	
41 A - 10 poles	BJMI8	1SNA 176 673 R0200	

Simplified model, composed of a bar prepunched to the spacing of the blocks, and of captive screws and spacers. This accessory can be used for connecting blocks which are consecutive or not : in this case remove the screw and spacer which are not required.

Max. recommended torque : 0,6 Nm  
except for **BJMI16** : 1,2 Nm

### Selection

Description	Type	Order P/N	Packaging Weight kg
IP20 jumper bar for blocks MA 2,5/5.D			
24 A - 2 poles	BJMI5D	1SNA 176 736 R2100	
24 A - 3 poles	BJMI5D	1SNA 176 737 R2200	
24 A - 4 poles	BJMI5D	1SNA 176 738 R0300	
24 A - 5 poles	BJMI5D	1SNA 176 739 R0400	
24 A - 10 poles	BJMI5D	1SNA 176 740 R1100	
IP20 jumper bar for blocks M 4/6.D			
32 A - 2 poles	BJMI6D	1SNA 179 668 R2000	
32 A - 3 poles	BJMI6D	1SNA 179 669 R2100	
32 A - 4 poles	BJMI6D	1SNA 179 670 R2600	
32 A - 5 poles	BJMI6D	1SNA 179 671 R1300	
32 A - 10 poles	BJMI6D	1SNA 179 672 R1400	
IP20 jumper bar for blocks M 10/10			
57 A - 2 poles	BJMI10	1SNA 176 675 R0400	
57 A - 3 poles	BJMI10	1SNA 176 676 R0500	
57 A - 4 poles	BJMI10	1SNA 176 677 R0600	
57 A - 5 poles	BJMI10	1SNA 176 678 R1700	
57 A - 10 poles	BJMI10	1SNA 176 679 R1000	
IP20 jumper bar for blocks M 16/12			
76 A - 2 poles	BJMI12	1SNA 179 626 R0600	
76 A - 3 poles	BJMI12	1SNA 179 628 R1000	
76 A - 4 poles	BJMI12	1SNA 179 629 R1100	
76 A - 5 poles	BJMI12	1SNA 179 630 R1600	
76 A - 10 poles	BJMI12	1SNA 179 631 R0300	
IP20 jumper bar for blocks M 35/16			
110 A - 2 poles	BJMI16	1SNA 206 217 R0000	
110 A - 3 poles	BJMI16	1SNA 206 218 R1100	
110 A - 4 poles	BJMI16	1SNA 206 219 R1200	
110 A - 5 poles	BJMI16	1SNA 206 220 R1700	
110 A - 10 poles	BJMI16	1SNA 206 221 R0400	



BJMI5D - BJMI6D - BJMI10 - BJMI12 - BJMI16

# Jumper bars for screw clamp and ADO System® terminal blocks

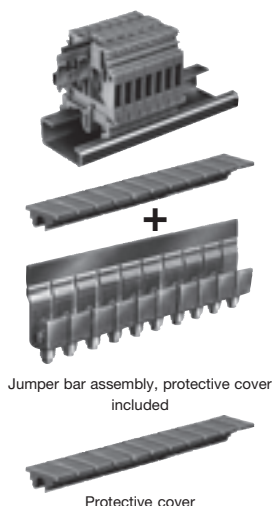
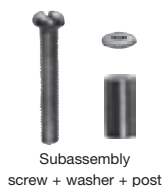
## Not assembled screw jumper bars

To connect terminal blocks, place the metal tube into the top center hole on each terminal block to be connected. The metal tube contacts the terminal block's internal connector bar. The perforated bar is cut to length and placed flat along the center opening of the series of terminal blocks. The screw is inserted into the perforated bar's hole which is located directly above the blocks being connected. The screw goes through the threaded metal tube and is screwed into the terminal block's internal connector bar. This completes the electrical connection to the perforated bar and connects the block.

Max. recommended torque : 0,6 Nm

### Selection

Description	Type	Order P/N	Packaging Weight kg
Post + screw + washer for blocks MA 2,5/5 and DR 1,5/5	EV5	1SNA 168 629 R1600	
Perforated jumper bar for blocks MA 2,5/5 and DR 1,5/5	BJS5 20 poles - 24 A	1SNA 177 652 R0600	
Post + screw + washer for block MA 2,5/5.D	EV5D	1SNA 176 260 R1000	
Jumper bar for block MA 2,5/5.D	BJS5D 20 poles - 24 A	1SNA 177 651 R0500	
Post + screw + washer for block M 4/6	EV6	1SNA 168 604 R1600	
Insulated post + screw + washer for block M 4/6	EV6I	1SNA 206 394 R0200	
Jumper bar for block M 4/6	BJS6 20 poles - 32 A	1SNA 174 784 R2000	
Post + screw + washer for blocks M 4/6.D and MD 2,5/6...	EV6D	1SNA 168 400 R1600	
Perforated jumper bar for blocks M 4/6.D and MD 2,5/6...	BJS61 10 poles - 32 A	1SNA 168 485 R2700	
Post + screw + washer for block DR 4/6	EVD6	1SNA 168 399 R1000	
Jumper bar for block DR 4/6	BJS62D 10 poles - 24 A	1SNA 167 601 R0200	
Post + screw + washer for block M 6/8	EV6	1SNA 168 604 R1600	
Post + screw + washer for block M 6/8.ST	EV8S	1SNA 168 401 R0300	
Post + screw + washer for block M 4/8.D2.SF...J	VJS11	1SNA 163 394 R2600	
Perforated jumper bar for blocks M 6/8 - M 6/8.ST - M 4/8.D5.SF...J	BJS8 20 poles - 41 A	1SNA 174 789 R0500	
Jumper bar for block M 6/9.EE	BJS9,5 10 poles - 41 A	1SNA 173 819 R2200	
Post + screw + washer for block M 10/10	EV6	1SNA 168 604 R1600	
Jumper bar for block M 10/10	BJS10 20 poles - 57 A	1SNA 177 654 R0000	
Post + screw + washer for block M 16/12	EV12	1SNA 168 664 R1100	
Screw for block MB 10/12.SF		1SNA 163 574 R2200	
Washer for block MB 10/12.SF		1SNA 163 633 R2500	
Perforated jumper bar for blocks M 16/12 and MB 10/12.SF	BJS12 20 poles - 57 A	1SNA 177 653 R0700	
Jumper bar for block M 6/12.FF	BJS12,5 10 poles - 41 A	1SNA 174 396 R2300	
Jumper bar for block M 6/13.FF	BJS13 10 poles - 125 A	1SNA 167 224 R2700	
Screw for block ML 10/13.SF		1SNA 163 394 R2600	
Washer for block ML 10/13.SF		1SNA 168 783 R0100	
Jumper bar for block ML 10/13.SF	BJS131 10 poles - 57 A	1SNA 175 991 R1100	
Post + screw + washer for block M 35/16	EV16	1SNA 179 627 R0700	
Jumper bar for block M 35/16	BJS16 10 poles - 125 A	1SNA 168 238 R1600	
Screw for block M 70/22		1SNA 173 320 R0100	
Washer for block M 70/22		1SNA 173 331 R2000	
Jumper bar for block M 70/22	BJS22 10 poles - 192 A	1SNA 173 319 R0400	
Screw for block MB 10/24.SF		1SNA 163 607 R0400	
Jumper bar for block MB 10/24.SF	BJS24 10 poles - 30 A	1SNA 167 856 R2100	
Post + screw + washer for block M 95/26	VJS51	1SNA 173 320 R0100	
Washer for block M 95/26		1SNA 173 331 R2000	
Jumper bar for block M 95/26	BJS261 10 poles - 232 A	1SNA 177 511 R1100	



## Screw jumper bars for alternated jumping

This accessory permits the interconnection of consecutive or non-consecutive blocks. For this, detach the studs manually where connection is not required. The use of two bars permits alternated jumping. A captive screw is mounted on each stud. This jumper bar is delivered with a protective cover snapped onto the top of the block, assuring touch proof protection.

**Note :** At each extremity of the jumpers the assembly must be insulated. For this, use either a closed block or a circuit separator **SC**.

### Selection

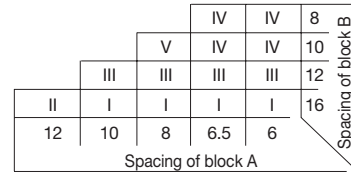
Jumper bar assembly for blocks with 5 mm .200" spacing	10 poles	BJA5 24 A	1SNA 205 021 R2600	
	30 poles	BJA5 24 A	1SNA 205 197 R2400	
Jumper bar assembly for blocks with 6 mm .238" spacing	10 poles	BJA6 35 A	1SNA 116 541 R1200	
	30 poles	BJA6 35 A	1SNA 116 589 R1300	
Protective cover alone 10 poles for BJA5	grey	<input type="checkbox"/>	1SNA 119 847 R2000	
for BJA6	grey	<input type="checkbox"/>	1SNA 116 508 R2200	
	white	<input type="checkbox"/>	1SNA 103 819 R2500	

# Jumper bars for screw clamp and ADO System® terminal blocks

## Universal screw jumper bars

This accessory permits the interconnection of two consecutive blocks with different spacings. It is composed of : 2 posts, 2 screws, 2 washers, 1 connector plate.

Spacing of block 6 corresponds to **M 4/6** and its derivatives.  
 Spacing of block 6,5 corresponds to **M 4/6,5** and its derivatives.  
 Spacing of block 8 corresponds to **M 6/8** and its derivatives.  
 Spacing of block 10 corresponds to **M 10/10** and its derivatives.  
 Spacing of block 12 corresponds to **M 16/12** and its derivatives.  
 Spacing of block 16 corresponds to **M 35/16** and its derivatives.  
 Max. recommended torque : 0,6 Nm



BJDP...

### Selection

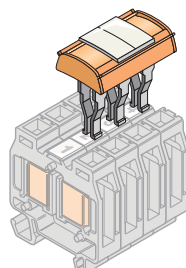
Description	Type		Order P/N	Packaging Weight kg
Jumper bar kit N° I	BJDP1	50 A	1SNA <b>179 623 R0300</b>	
Jumper bar kit N° II	BJDP2	95 A	1SNA <b>179 624 R0400</b>	
Jumper bar kit N° III	BJDP3	70 A	1SNA <b>179 625 R0500</b>	
Jumper bar kit N° IV	BJDP4	50 A	1SNA <b>174 781 R2500</b>	
Jumper bar kit N° V	BJDP5	50 A	1SNA <b>174 782 R2600</b>	

# Jumper bars for screw clamp and ADO System® terminal blocks

## Screwless jumper bars for ADO System® blocks and miniblocks with 5 or 6 mm spacing only

This accessory permits the interconnection of consecutive or non-consecutive blocks. For this, detach the studs manually where connection is not required. Thanks to its flexible connection system, the contact is made by a simple insertion into the ADO jaw. 2 wire connection remains permitted. Protection : NEMA 1 - Marking with **RCT 610** and **RCT 810** markers.

\* Important : It is necessary to remove the jumper bar to work on the wiring.



BJADO...

### Selection

Description	Type	Order P/N	Packaging Weight kg
Screwless jumper bar for blocks with 5 mm .200" spacing			
2 poles	BJADO5.2 13,5 A	1SNA 205 955 R0300	
3 poles	BJADO5.3 13,5 A	1SNA 205 956 R0400	
4 poles	BJADO5.4 13,5 A	1SNA 205 957 R0500	
5 poles	BJADO5.5 13,5 A	1SNA 205 958 R1600	
10 poles	BJADO5.10 13,5 A	1SNA 205 963 R0300	
20 poles	BJADO5.20 13,5 A	1SNA 205 973 R0500	
Screwless jumper bar for blocks with 6 mm .238" spacing			
2 poles	BJADO5.2 17,5 A	1SNA 205 974 R0600	
3 poles	BJADO5.3 17,5 A	1SNA 205 975 R0700	
4 poles	BJADO5.4 17,5 A	1SNA 205 976 R0000	
5 poles	BJADO5.5 17,5 A	1SNA 205 977 R0100	
10 poles	BJADO5.10 17,5 A	1SNA 205 982 R2700	
20 poles	BJADO5.20 17,5 A	1SNA 205 992 R2100	

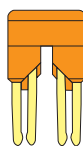
# Jumper bars for spring blocks

## BJDL... jumper bar for spring blocks with the same spacing

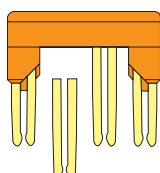
This accessory allows to connect two blocks next to each other or not. For this, remove manually the unconnected metal pins by folding them several times. Identification of cut pins is possible.  
This flexible connecting system allows contact by simple insertion.

### Selection

Description	Type	Order P/N	Packaging Weight kg
Jumper bar for spring blocks with 5 mm .200" spacing 10 poles	BJDL5.10	1SNA 291 110 R2600	
Jumper bar for spring blocks with 6 mm .238" spacing 5 poles	BJDL6.5	1SNA 291 195 R1000	
Jumper bar for spring blocks with 8 mm .315" spacing 5 poles	BJDL8.5	1SNA 291 145 R2500	
Jumper bar for spring blocks with 10 mm .400" spacing 5 poles	BJDL10.5 24 A	1SNA 291 325 R2100	
Jumper bar for spring blocks with 10 mm .400" spacing 5 poles	BJDL1.10.5 57 A	1SNA 291 478 R0300	



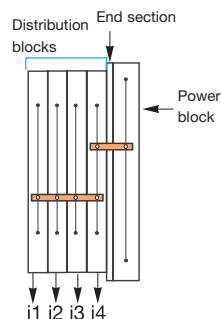
BJDL5.2



BJDL5.4 + remove manually (by successive folding) the unused metal pin



Example :



$$I = i1 + i2 + i3 + i4 < I_{max \text{ shunt}}$$

## BJDPL... jumper bar for spring blocks with different spacings

This accessory allows the connection of 2 spring terminal blocks with different spacings to each other (spacing 5 and 6 mm, 6 and 8 mm, 5 and 8 mm). It is not necessary to use a spring block with an additional spring to jump with a wire, but it is necessary to use an end section between the interconnected blocks, whatever the mounting direction of the blocks may be. These jumper bars and both slots for jumper bars permit current distribution (see "Example" drawing).

### Selection

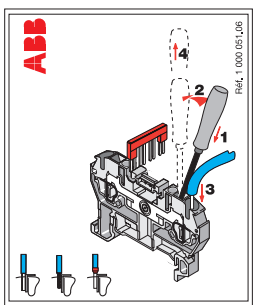
Input block	Output block	Type	Order P/N	Current max.
6 mm .238" spacing	5 mm .200" spacing	BJDPL5.6	1SNA 291 150 R0600	24 A
8 mm .315" spacing	5 mm .200" spacing	BJDPL5.8	1SNA 291 160 R0000	24 A
	6 mm .238" spacing	BJDPL6.8	1SNA 291 170 R0200	32 A
10 mm .400" spacing	5 mm .200" spacing	BJDPL5.10	1SNA 291 480 R2200	24 A
	6 mm .238" spacing	BJDPL6.10	1SNA 291 482 R1000	32 A
	8 mm .315" spacing	BJDPL8.10	1SNA 291 484 R1200	41 A
12 mm .473" spacing	6 mm .238" spacing	BJDPL6.12	1SNA 399 613 R0600	32 A

## ETRES1 explaining sticker

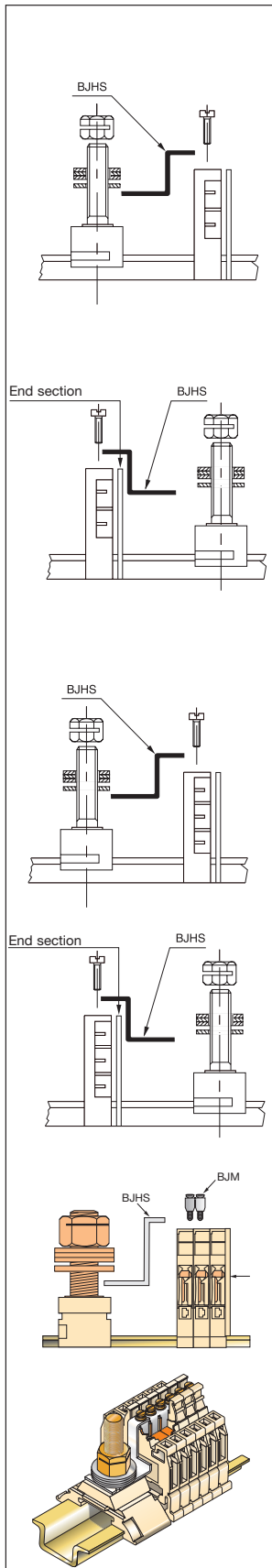
These stickers show how to use a spring block.

### Selection

Description	Type	Order P/N	Packaging Weight kg
Explaining sticker	ETRES1	1SNE 000 051 R0600	



# BJHS distribution bars for railway terminal blocks



## BJHS

### Characteristics

Jumper bar to be sawing divided for transversal interconnection between several terminal blocks.

### Selection

Description	Type	Order P/N	Packaging Weight kg
Connexion between one 16 mm block with M6 stud and one 8 mm block for quick connect tabs			
Assembly 1: left end stud block	BJHS-ENT7192	1SNA 178 803 R0000	
Assembly 1: right end stud block	BJHS-ENT7193	1SNA 178 802 R0700	

### Accessories

Closing plate	FEH3	th. 1 mm	1SNA 198 352 R0700	
Screw for BJHS	VSJ6		1SNA 167 735 R2700	
Washer for VSJ	RDJ6		1SNA 173 241 R0600	

### Selection

Description	Type	Order P/N	Packaging Weight kg
Connexion between one M6, M8 or M10 stud block and one type HD 2.5/6.3... longitudinal tongued block			
Assembly 1: left end stud block	BJHS	1SNA 179 782 R0300	
Assembly 1: right end stud block	BJHS	1SNA 179 781 R0200	

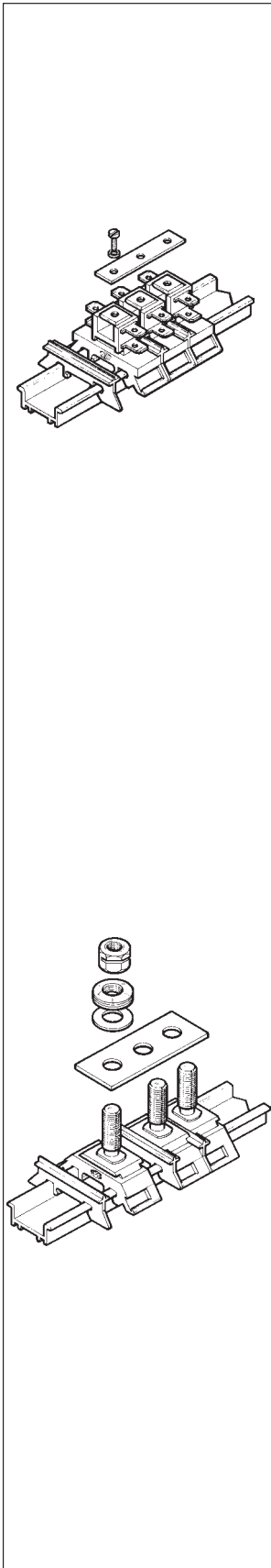
### Accessories

Closing plate	FEHD2	th. 1 mm	1SNA 168 949 R1700	
Screw for BJHS	VSJ6		1SNA 167 735 R2700	
Washer for VSJ	RDJ6		1SNA 173 241 R0600	

### Selection

Description	Type	Order P/N	Packaging Weight kg
Connexion between one M6, M8 or M10 stud block and one NF ADO System® terminal block			
Assembly : left end stud block	BJHS	1SNA 206 539 R0300	

# BJH jumper bars for railway terminal blocks



## Characteristics

Perforated bar, which can be cut by sawing, for making transverse connections between two or more identical terminal blocks.

## Selection

Description	Type	Order P/N	Packaging	Weight kg
Jumper bar for blocks with quick connect	Spacing 6 mm	BJH6 2 poles	1SNA 168 481 R2300	
		BJH6 3 poles	1SNA 168 482 R2400	
		BJH6 4 poles	1SNA 168 483 R2500	
		BJH6 5 poles	1SNA 168 484 R2600	
		BJH6 10 poles	1SNA 168 485 R2700	
Jumper bar for blocks with quick connect	Spacing 7 mm	BJH7 2 poles	1SNA 168 486 R2000	
		BJH7 3 poles	1SNA 168 487 R2100	
		BJH7 4 poles	1SNA 168 488 R0200	
		BJH7 5 poles	1SNA 168 489 R0300	
		BJH7 10 poles	1SNA 168 490 R0000	
Jumper bar for blocks with quick connect	Spacing 8 mm	BJH8 2 poles	1SNA 168 456 R0100	
		BJH8 3 poles	1SNA 168 457 R0200	
		BJH8 4 poles	1SNA 168 458 R1300	
		BJH8 5 poles	1SNA 168 459 R1400	
		BJH8 10 poles	1SNA 168 356 R1400	
Jumper bar for blocks with quick connect	Spacing 9 mm	BJH9 2 poles	1SNA 168 460 R1100	
		BJH9 3 poles	1SNA 168 461 R0600	
		BJH9 4 poles	1SNA 168 462 R0700	
		BJH9 5 poles	1SNA 168 463 R0000	
		BJH9 10 poles	1SNA 168 357 R1500	
Jumper bar for blocks with quick connect	Sp. 11,2 mm	BJH11 10 poles	1SNA 164 562 R2700	
Jumper bar for blocks with quick connect	Sp. 13,2 mm	BJH13 10 poles	1SNA 163 556 R2000	

For quick connect blocks, a sub-assembly must be used: screw plus washer to connect the jumper bar onto the required block.

## Accessories

Screw for HD type blocks	VSJ6	1SNA 167 735 R2700	
Washer for HD type blocks	RDJ6	1SNA 173 241 R0600	
Screw for H type blocks	VSJ11	1SNA 163 394 R2600	
Washer for H type blocks	RDJ11	1SNA 168 783 R0100	

For stud blocks, the jumper bar is fitted under the washer and the nut of each block to be shunted.

## Selection

Description	Type	Order P/N	Packaging	Weight kg
Jumper bar for stud block	Spacing 13,2 mm	BJH131 10 poles	1SNA 163 468 R0000	
Jumper bar for stud block	Spacing 13 mm	BJH132 10 poles	1SNA 167 224 R2700	
Jumper bar for stud block	Spacing 14 mm	BJH14 2 poles	1SNA 173 438 R2400	
		BJH14 3 poles	1SNA 173 439 R2500	
		BJH14 4 poles	1SNA 173 441 R2700	
		BJH14 5 poles	1SNA 173 449 R0700	
		BJH14 10 poles	1SNA 173 451 R2100	
Jumper bar for stud block	Spacing 17,2 mm	BJH17 10 poles	1SNA 163 475 R2700	
Jumper bar for stud block	Spacing 18,2 mm	BJH18 2 poles	1SNA 173 452 R2200	
		BJH18 3 poles	1SNA 173 453 R2300	
		BJH18 4 poles	1SNA 173 454 R2400	
		BJH18 5 poles	1SNA 173 460 R0600	
		BJH18 10 poles	1SNA 173 461 R2300	
Jumper bar for stud block	Spacing 23,2 mm	BJH23 10 poles	1SNA 163 476 R2000	

For H type stud block, an IN spacer is necessary in order to ensure insulation between the jumper bar and the rail.

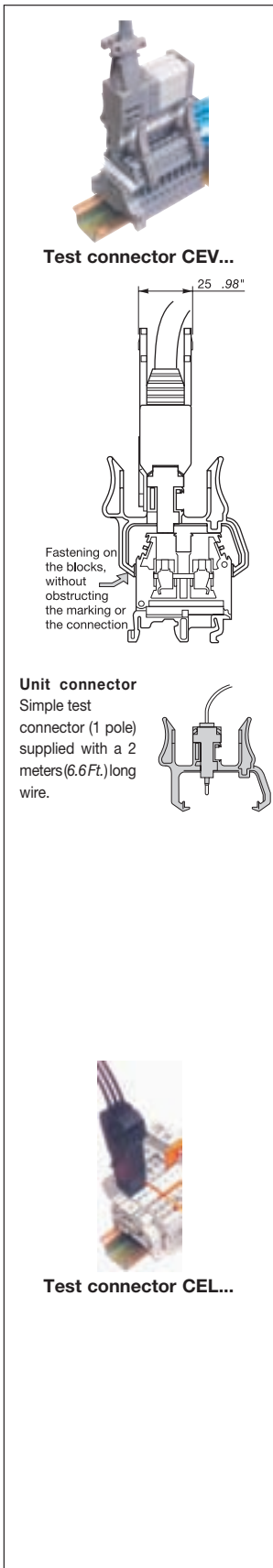
## Accessories

Spacer 1,2 mm		INH1	1SNA 193 474 R1500	
Spacer 1,2 mm	yellow	INH1	1SNA 199 396 R2500	
Spacer 4 mm		INH3	1SNA 199 394 R2300	



# Test connectors

For screw clamp blocks  DIN 1-3  
 For spring blocks  DIN 1-3



**Test connector CEV...**

**Unit connector**  
 Simple test connector (1 pole) supplied with a 2 meters (6.6 Ft.) long wire.

**Test connector CEL...**

## CEV... test connectors for screw clamp blocks

Characteristics		IEC		UL	CSA
		NFC	VDE		
Wire size	Rigid				
mm <sup>2</sup>	Flexible				
Voltage	V	0.5(1)	250 (2)		
Current	A		2		
Short circuit current (M 4/6.PI)	A / s				
Rated wire size	mm <sup>2</sup> / AWG				
Wire stripping length	mm / inches				
Recommended torque	Nm / lb.in				

(1) For CEV 6.1 only  
 (2) For low voltages (<24 V) take a typical contact resistance of 50 mW into account.

### To perform simple tests quickly :

This connector completes the range of modular connectors to mount on terminal strips. It is supplied ready for use, without any modification of the terminal strip :

The contact is made on the wire-clamp screw heads.

Fastening is performed on the terminal block wire inputs.

These connectors are supplied connected with 2 meters (6.6 Ft.) long wires, size 0,34 mm<sup>2</sup> (22 AWG). Standard 1 pole and 10 pole models are kept in stock. However, on request, 4 to 15 pole models are available.

### Selection

Description	Type	Order P/N	Packaging Weight kg
Unit connector 1 pole	grey <input type="checkbox"/> CEV 6.1	1SNA 115 544 R1400	
Test connector 10 poles	grey <input type="checkbox"/> CEV 6.10 6 mm	1SNA 115 573 R1100	
Test connector 10 poles	grey <input type="checkbox"/> CEV 8.10 8 mm	1SNA 115 574 R1200	
Test connector 10 poles	grey <input type="checkbox"/> CEV 10.10 10 mm	1SNA 115 652 R2000	

## CEL... test connectors for spring blocks

Characteristics		IEC		UL	CSA
		NFC	VDE		
Wire size	Rigid				
mm <sup>2</sup>	Flexible				
Voltage	V				
Current	A				
Short circuit current (M 4/6.PI)	A / s				
Rated wire size	mm <sup>2</sup> / AWG	1,5 mm <sup>2</sup>			
Wire stripping length	mm / inches				
Recommended torque	Nm / lb.in				

### Selection

Description	Type	Order P/N	Packaging Weight kg
Test connector for standard 5 mm spacing spring blocks	grey <input type="checkbox"/> CEL 1.5	1SNA 400 262 R1400	
Test connector for standard 6 mm spacing spring blocks	grey <input type="checkbox"/> CEL 1.6	1SNA 400 263 R1500	
Test connector for standard 8 mm spacing spring blocks	grey <input type="checkbox"/> CEL 1.8	1SNA 400 264 R1600	
End module of connector	grey <input type="checkbox"/> CEL 1.E	1SNA 400 265 R1700	
Test connector for angled 5 mm spacing spring blocks	grey <input type="checkbox"/> CEL 2.5	1SNA 400 258 R2000	
End module of connector	grey <input type="checkbox"/> CEL 2.E	1SNA 400 261 R1300	

### Accessories

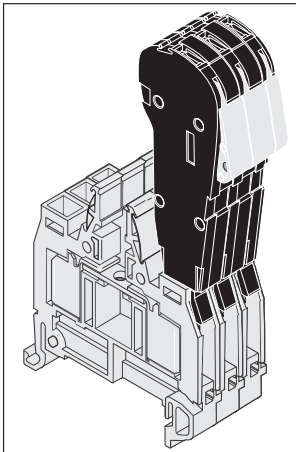
Markers	RC 55	see section on markers
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# Test connectors

For ADO System® blocks

## CEADO... test connectors for ADO System® blocks



### Characteristics

		IEC NFC VDE	UL	CSA
Wire size mm <sup>2</sup>	Rigid	0,2 - 0,75 mm <sup>2</sup>		
	Flexible	0,22 - 0,75 mm <sup>2</sup>		
Voltage	V	(1)		
Current	A	6 A		
Short circuit current (M 4/6.PI)	A / s			
Rated wire size	mm <sup>2</sup> / AWG			
Wire stripping length	mm / inches			
Recommended torque	Nm / lb.in			

(1) Rated voltage : 250 V for CEADO.5  
400 V for CEADO.6  
500 V for CEADO.8

### To perform simple tests quickly :

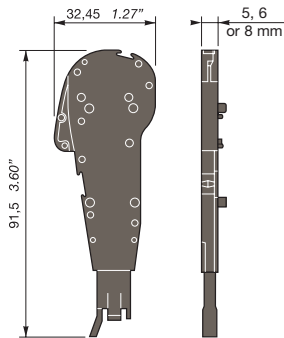
This connector completes the range of modular connectors to be mounted on terminal block assembly.  
Contact is made on top of the ADO jaw.  
Hooking is made on the wire input of terminal blocks.  
It can be achieved without modifying the assembly.

### Selection

Description	Type	Order P/N	Packaging Weight kg
Unit connector 1 pole	black ■ CEADO.5 5 mm	1SNA 399 345 R1100	
Unit connector 1 pole	black ■ CEADO.6 6 mm	1SNA 399 346 R1200	
Unit connector 1 pole	black ■ CEADO.7 7 mm	1SNA 399 347 R1300	
Unit connector 1 pole	black ■ CEADO.8 8 mm	1SNA 399 348 R2400	
End module	black ■ CEADOE	1SNA 399 341 R1500	

### Accessories

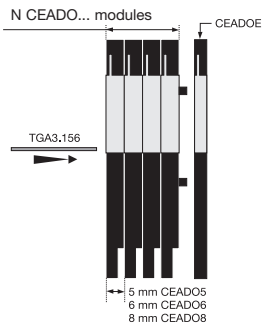
Assembly rod for levers DIA. 3 mm	TGA3.156 156 mm	1SNA 206 277 R1400	
Markers	RC 55 RTM	see section on markers	



### End module

This end module is the same for any unitary module spacing : 5, 6 or 8 mm.

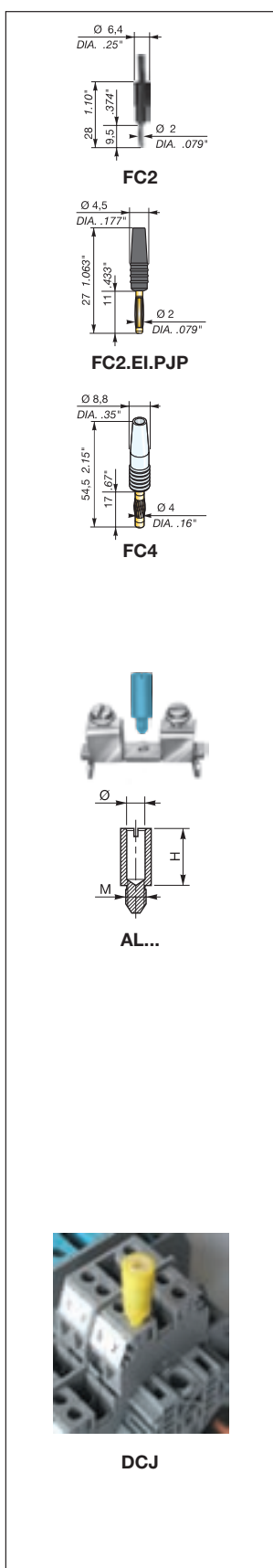
### Building a test connector



All modules joint together using dog points. A connector can be made of 20 poles max.  
The assembly rod for levers (TGA3.156) cut at the convenient length is advised for connectors > 5 poles.

# Test devices

## Test plugs Test sockets



### FC... test plugs

These accessories, when used with measuring or control equipment, are used for trouble shooting or testing of a circuit, on the blocks equipped with a test socket or by use of a test device (for FC2 only).

#### Selection

Description	Type	Order P/N	Packaging Weight kg
Test plug DIA. 2 mm .079" - Soldered connection : 1 mm <sup>2</sup> max. - 18 AWG	FC2	1SNA 007 865 F2600	
Test plug DIA. 2 mm .079" - Soldered connection : 1 mm <sup>2</sup> max. - 18 AWG	FC2.EI.PJP	1SNA 107 239 F0300	
Test plug DIA. 4 mm .16" - Soldered connection : 1,5 mm <sup>2</sup> max. - 16 AWG	FC4	1SNA 167 860 F0100	

### AL... test sockets

This accessory is screwed into the tapped holes of the connector bar of the terminal blocks. Some blocks are delivered socket mounted. This socket receives an FC test plug. The test sockets are characterized by their internal diameter.

#### Selection

Description	Type	Order P/N	Packaging Weight kg
Test socket DIA. 2 mm .079" H = 12 mm .472" - M3 screw	AL2	1SNA 163 043 F2100	
Test socket DIA. 2 mm .079" H = 11,7 mm .461" - M2,6 screw	AL2	1SNA 163 046 F2400	
Test socket DIA. 2 mm .079" H = 8,5 mm .335" - M3 screw	AL2	1SNA 163 070 F0000	
Test socket DIA. 2 mm .079" H = 9,6 mm .378" - M3 screw	AL2	1SNA 164 950 F0000	
Test socket DIA. 2 mm .079" H = 8,5 mm .335" - M2,6 screw	AL2	1SNA 167 319 F0600	
Test socket DIA. 3 mm .12" H = 9,5 mm .374" - M3 screw	AL3	1SNA 163 261 F0000	
Test socket DIA. 4 mm .16" H = 12 mm .472" - M3 screw	AL4	1SNA 163 240 F1700	
Test socket DIA. 4 mm .16" H = 12,3 mm .484" - M3 screw	AL4	1SNA 163 262 F0100	
Test socket DIA. 4 mm .16" H = 13,5 mm .532" - M4 screw	AL4	1SNA 168 237 F0500	
Test socket DIA. 4 mm .16" H = 17,5 mm .689" - M3 screw	AL4	1SNA 179 762 F1600	

### DC... test device on screw head

This patented device is mounted on the round screwdriver opening. It is used for trouble shooting, measuring and control for monitoring and repairing an installation, on blocks without a test socket. For this, the device receives an FC2 test plug.

#### Selection

Description	Type	Order P/N	Packaging Weight kg
Test device for blocks with 5 mm spacing green ■	DCV	1SNA 173 058 F0200	
Test device for MA 2,5/5 blocks blue ■	DCB	1SNA 105 028 F2100	
Test device for blocks with 6 mm spacing yellow ■	DCJ	1SNA 173 059 F0300	
Test device for M4/6.D and MB 2,5/6 blocks grey ■	DCG	1SNA 163 218 F0500	
Test device for blocks with 8 mm spacing orange ■	DCO	1SNA 173 060 F0000	

## Other accessories

### PC... + EIP comb-type jumper bar + insulating tip

This accessory can be used only on the terminal blocks with at least one compression clamp connection. It permits the electrical connection of 2 to 10 blocks.

Interconnection of non-consecutive blocks is possible by removing the teeth opposite the blocks which must not be connected. The comb-type jumper bars can be cut using pliers (or a saw) : in this case, the use of an insulating tip **EIP** is recommended where possible ; otherwise, use an **SCF** separator or **FE** end section between two series of interconnected blocks, in order to preserve insulation. The comb is placed in the compression clamp before tightening the screws, above the eventual conductor.

#### Selection

To be mounted on blocks	Insulating tip for comb		Nb of poles	Comb-type jumper bar		
	Type	Order P/N		Type	Order P/N	Current
MA 2,5/5...	EIP	1SNA 113 550 R2400	2	PC5	1SNA 113 542 R1000	30 A
MA 2,5/5.D...			10	PC5	1SNA 113 544 R1200	30 A
DR 1,5/5...			10	PC51	1SNA 167 908 R0600	
M 4/6 - MS 4/6 - M 4/6.H	EIP	1SNA 113 550 R2400	2	PC6	1SNA 113 546 R1400	35 A
M 1,5/6.HH - M 4/6.M2			3	PC6	1SNA 116 536 R0500	35 A
M 4/6.G			4	PC6	1SNA 116 537 R0600	35 A
			10	PC6	1SNA 113 548 R2600	35 A
M 4/6.D - M 4/6.S...			10	PC61	1SNA 163 311 R2200	35 A
DR 4/6 - DR 2,5/6 - DRP 4/6						
M 6/8 - M 6/8.S...			2	PC8	1SNA 116 538 R1700	50 A
			3	PC8	1SNA 116 539 R1000	50 A
			4	PC8	1SNA 116 540 R2500	50 A
			10	PC8	1SNA 163 313 R2400	50 A
M 4/8.S...			10	PC81	1SNA 173 523 R1100	35 A
M 10/10			10	PC10	1SNA 163 315 R2600	70 A
M 10/13.S...			10	PC13	1SNA 173 510 R2000	70 A
MB 10/22.S...			2	PC22	1SNA 205 294 R0500	70 A
			3	PC22	1SNA 205 295 R0600	70 A
			10	PC22	1SNA 174 151 R2500	70 A
M 10/16.SF	EIP	1SNA 113 550 R2400	2	PC16	1SNA 116 729 R2600	70 A
			3	PC16	1SNA 116 733 R1200	70 A
			4	PC16	1SNA 116 734 R1300	70 A
			10	PC16	1SNA 116 735 R1400	70 A
Series 7000 or 8000			10	PC9	1SNA 210 160 R1200	15 A

PC... + EIP

### IDC jumper (insulation displacement jumper)

#### Characteristics

Wire size mm <sup>2</sup> / AWG	IEC NFC VDE		UL	CSA
	Rigid	2,5 mm <sup>2</sup>		
	Flexible	2,5 mm <sup>2</sup>		14 AWG
Voltage	V	600		600
Current	A	26		15
Rated wire size	mm <sup>2</sup> / AWG	2,5 mm <sup>2</sup>		14 AWG
Working temperature	°C	-55°C -> +110°C		
Protection		IP20 / NEMA1		

Quick-jump lets you interconnect screw clamp terminals of different sizes, levels and all manufacturers quickly and safely. Its insulation displacement technology makes it easy to use, fast, economical and does not require a special tool. Use as a jumper between relays, switches and other electronic components. ABB Entrelec Quick-jump will fit any screw clamp type terminal block, from 6 mm .238" spacing and larger.

#### Selection

Description	Type	Order P/N	Packaging Weight kg
Insulation displacement jumper	AD 2,5	1SNA 114 205 R2000	

#### How to use : connecting Quick-jump to your terminal

- 1 - Insert Entrelec Quick-jump into your terminal screw clamp.
- 2 - Tighten the terminal screw.
- 3 - Guide jumper wire through the V-shaped opening in the Quick-jump.
- 4 - Secure the wire by closing the Quick-jump lever with any flat nose pliers.

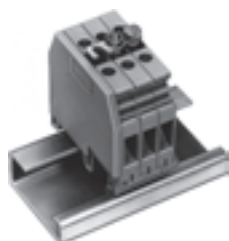
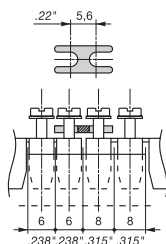
#### Adding a shunt in an installation :

- 1 - Insert Entrelec Quick-jump into your terminal screw clamp.
- 2 - Guide the terminal screw clamp into contact with the wire.
- 3 - Secure the wire by closing the Quick-jump lever with any flat nose pliers.
- 4 - Tighten the terminal screw.

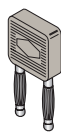
## Other accessories



EL...



BJP...



BP8.A4



BNSTP1



CB...

### EL... connector plate

This accessory is used for connecting electrically : two assembled interconnections with same spacing or two assembled interconnections with different spacings. Use only between the 5 mm .200" spacing, 6 mm .238" spacing and 8 mm .315" spacing blocks.

Current carrying capacity : 35 A

#### Selection

Description	Type	Order P/N	Packaging Weight kg
Connector plate	EL6	1SNA 173 627 R2100	
Connector plate for D 2,5/6.D... blocks	EL61	1SNA 177 812 R1700	

### BJP... pivoting jumper bar

This accessory is for connecting or disconnecting two consecutive blocks, open or closed. The use of a third non-connected is recommended, to allow for a "rest" position of the rotating jumper link. We recommend the use of a circuit separator **SC** in order to preserve the insulation. The **BJP** is mounted in the center of the terminal blocks, the connector bars of which are tapped for receiving the interconnection accessories. Max. recommended torque : 0,6 Nm.

#### Selection

Pivoting jumper bar for blocks with 6 mm .238" spacing	BJP6	35 A	1SNA 174 413 R1400	
Pivoting jumper bar for double deck blocks with 6 mm .238" spacing	BJP61	35 A	1SNA 167 225 R2000	
Pivoting jumper bar for blocks with 8 mm .315" spacing	BJP8	50 A	1SNA 174 448 R0700	
Pivoting jumper bar for double deck blocks with 8 mm .315" spacing	BJP82	50 A	1SNA 163 169 R0400	
Pivoting jumper bar for blocks with 10 mm .394" spacing	BJP10	70 A	1SNA 174 451 R2200	
Pivoting jumper bar for DR 4/6... blocks	BJPD6	35 A	1SNA 173 223 R2400	

### BP8.A4 bridging plug

This accessory permits electrical connection of 2 identical juxtaposed blocks. These blocks have 8 mm / .315" spacing, are equipped with a test socket DIA. 4 mm / .16".

#### Selection

Bridging plug	BP8.A4	1SNA 173 888 R2000	
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### BNSTP1 short-circuiting plug

Shunt equipped with 2 plugs DIA. 4 mm/.16" for ES16 and M6/8.STP... blocks and one test socket DIA. 4 mm/.16".  
Rated voltage : 600 V Rated current : 20 A .

#### Selection

Short-circuiting plug	light ivory	<input type="checkbox"/> BNSTP1	1SNA 196 792 R1700	
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### CB... shield connector

Delivered separately, this bar of treated brass is mounted in the lower part of the terminal block. It ensures the continuity of the shield connection. The connection to the shield connector can be made either by soldering or by 2,8 x 0,5 mm or 2,8 x 0,8 mm quick connect tabs. Notch available for bridging all shieldings. This accessory overlaps on each side of the block by about 13,5 mm.

Use of this bar reduces insulation between terminal and ground, working voltage must be derated (consult us if necessary).

#### Selection

Shield connector	CBD5.2L	1SNA 291 077 R2400	
	CBM5D	1SNA 173 530 R2400	
	CBD2S	1SNA 178 408 R1400	
	CBD2	1SNA 179 635 R0700	
	CBD1	1SNA 179 634 R0600	
	CBM8	1SNA 178 746 R1500	
	CBM5	1SNA 178 745 R1400	

# Tools



## Screwdriver

Description	Type	Order P/N	Packaging Weight kg
Screwdriver DIA. 3.5 mm .137"		030 411 423	

## EXBN2 extraction tool

Extraction tool for plug type disconnect terminal blocks.

Extraction tool	EXBN2	1SNA 171 018 R2000	
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## Ferrule crimping tools

All purpose economy crimping tool.

Ferrule wire range	P/N
22 to 10 AWG	0305 626.05
10 to 6 AWG	0305 627.06

Heavy duty industrial grade crimping tool.

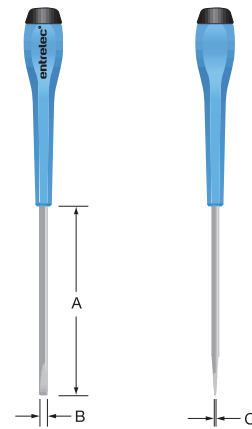
Ferrule wire range	P/N
8 to 1 AWG	0304 441.03

## Wire stripping tool

Wire strip range	P/N
20 to 10 AWG	XUS0 003.71

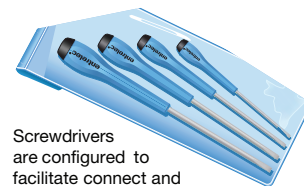
Fast and easy-to-operate wire stripper that needs no adjustment and will not damage solid or stranded wire. Ideal for use in any control or low voltage wire stripping applications for wire sizes from 20 AWG to 10 AWG (0.5 mm<sup>2</sup> to 6 mm<sup>2</sup>). Stripping blades are replaceable with expected operating life in excess of 100,000 operations. Includes wire cutter and adjustable wire stop for consistent length of stripping.

## Screwdrivers



A (mm) Shaft Length	B (mm) Tip Width	C (mm) Tip Cross Section
65	2.0	0.4
100	3.5	0.6
125	5.5	1.0
150	6.5	1.2

Tip Width, mm	P/N
Package of 4	0101 695.27



Screwdrivers are configured to facilitate connect and disconnect of wire in screw clamp terminal blocks. Nonbreakable tip for long life. Tapered shank and rotating top provides operator comfort during repetitive use. Designed for precise screw slot fit for all screw clamp terminal block connections. Screwdrivers may be ordered separately or as a package of four (4).



