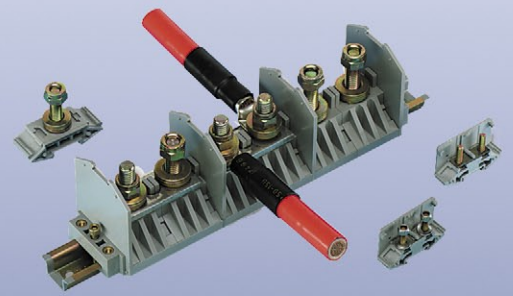


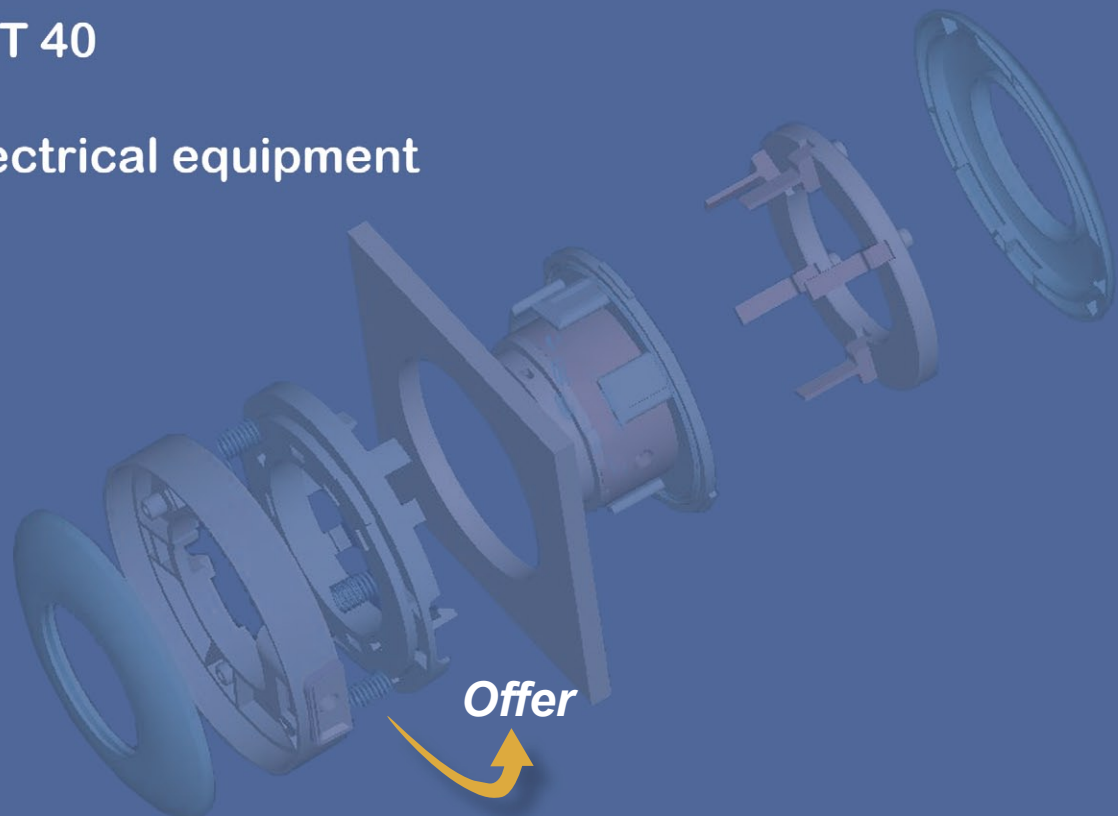
# Stud junction terminals



## Contents

Select your chapter

- BJT 9
- BJT 12
- BJT 14
- BJT 23
- BJT 32
- BJT 40
- Electrical equipment



# Stud junction terminals

## BJT 9 - 5, Pitch: 10.5 mm



Connection for lugs or bars

### General characteristics

<b>Rated insulation voltage</b>	380V AC and DC. Class C per IEC and NF EN 60664
<b>Rated current</b>	50A
<b>Nominal cross-section</b>	6 mm <sup>2</sup>
<b>Correspondences : lugs, terminals, cables</b>	Refer to chart at the end of the catalogue
<b>Material</b>	Polycarbonate with 10% fibre-glass content
<b>Colour</b>	Grey 733
<b>Fire resistance</b>	UL 94 : V0 and class M2
<b>Max. operating temperature</b>	- 55 to + 110°C
<b>Tightening torque</b>	1.2 Nm
<b>Equipment</b>	PHILIDAS self-locking nut + TREP 3L washer + flat washer

### Part number

Description	Part number	Weight g
Borne	BJT 9-5	10

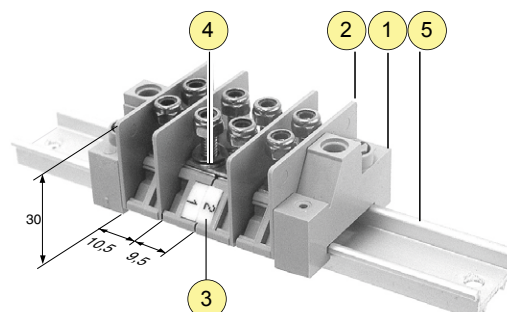
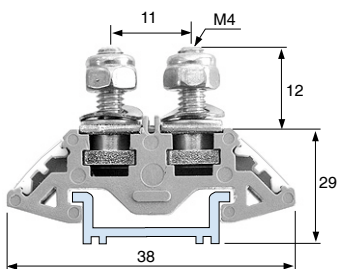


### Accessories

Description	Item No.	Part number	Weight g
End stop Thickness : 9 mm	1	YSR 1004	7.5
Separator Height : 26 mm Thickness : 1 mm	2	MAR 686 A1	11
Blank label 9 x 4 mm Bag of 50 pieces	3	MAR 634 A1	0.01
Junction strip Dist. betw. centres : 9.5 mm	4	EDR 627 A1	0.8
Profile 2R - NFC 93461 21 x 8.5 mm Material : AGS oxidised grey Sold by the meter	5	PROFIL 2R	



### Dimensions



# Stud junction terminals

## BJT 12 - 5, Pitch: 14 mm



Connection for lugs or bars

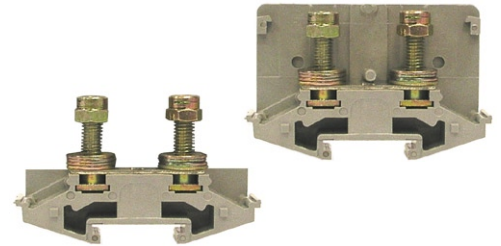
### General characteristics

<b>Rated insulation voltage</b>	750V AC and DC. Class C per IEC and NF EN 60337-1
<b>Rated current</b>	71A per IEC and NF EN 60337-1
<b>Nominal cross-section</b>	10 mm <sup>2</sup> per IEC and NF EN 60337-1
<b>Correspondences : lugs, terminals, cables</b>	Refer to chart at the end of the catalogue
<b>Material</b>	Polycarbonate with 10% fibre-glass content
<b>Colour</b>	Grey 733
<b>Fire resistance</b>	UL 94 : V0 and class M2
<b>Max. operating temperature</b>	- 55 to + 110°C
<b>Tightening torque</b>	2.5 Nm
<b>Equipment</b>	PHILIDAS self-locking nut + TREP 3L washer + flat washer

### Part number

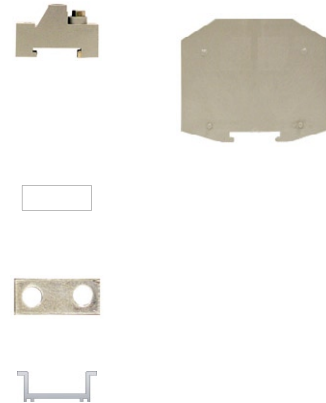
Description	Part number	Weight g
Borne	<b>BJT 12-5</b> <b>BJ2T 12-5</b>	26.4

Possibility of transverse interconnection.  
To produce shunted BJT 12-5 blocks, use 1 BJT 12-5 element at the start of the shunt then one or more BJ2T 12-5 elements depending on the number of junctions to be made between terminals.

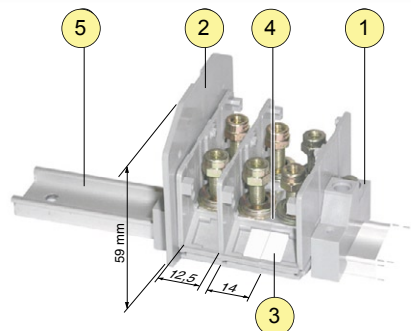
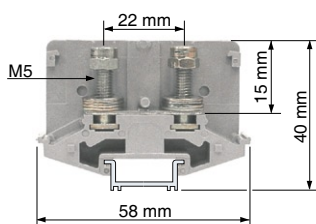


### Accessories

Description	Item No.	Part number	Weight g
End stop Thickness : 9 mm	①	<b>YSR 1004</b>	7.5
Separator Height : 55 mm Thickness : 2 mm	②	<b>MAR 343 A1</b>	8
Blank label 12 x 6 mm Bag of 50 pieces	③	<b>MAR 416 A1</b>	0.14
Junction strip Dist. betw. centres : 14 mm	④	<b>EDR 307 A1</b>	0.8
Profile 2R - NFC 93461 21.8 x 8.2 mm Material : AGS oxidised grey Sold by the meter	⑤	<b>PROFIL 2R</b>	



### Dimensions



# Stud junction terminals

## BJT 14 - 6, Pitch: 16 mm



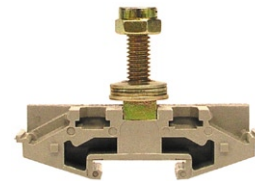
Connection for lugs or bars

### General characteristics

<b>Rated insulation voltage</b>	750V AC and DC. Class C per IEC and NF EN 60337-1
<b>Rated current</b>	110A per IEC and NF EN 60337-1
<b>Nominal cross-section</b>	16 mm <sup>2</sup> per IEC and NF EN 60337-1
<b>Correspondences : lugs, terminals, cables</b>	Refer to chart at the end of the catalogue
<b>Material</b>	Polycarbonate with 10% fibre-glass content
<b>Colour</b>	Grey 733
<b>Fire resistance</b>	UL 94 : V0 and class M2
<b>Max. operating temperature</b>	- 55 to + 110°C
<b>Tightening torque</b>	5 Nm
<b>Equipment</b>	PHILIDAS self-locking nut + TREP 3L washer + flat washer

### Part number

Description	Part number	Weight g
Borne	<b>BJT 14-6</b>	21

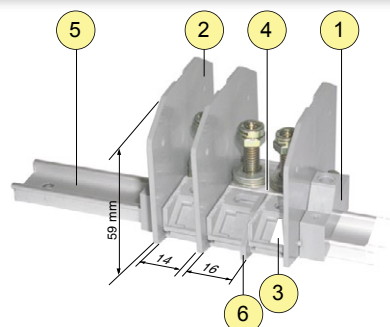
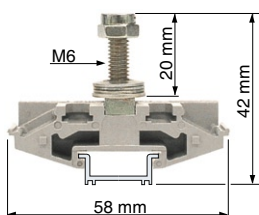


### Accessories

Description	Item No.	Part number	Weight g
End stop Thickness : 9 mm	①	<b>YSR 1004</b>	7.5
Separator Height : 55 mm Thickness : 2 mm	②	<b>MAR 343 A1</b>	8
Blank label 12 x 6 mm Bag of 50 pieces	③	<b>MAR 416 A1</b>	0.14
Junction strip Dist. betw. centres : 16 mm	④	<b>EDR 348 A1</b>	0.8
Profile 2R - NFC 93461 21.8 x 8.2 mm Material : AGS oxidised grey Sold by the meter	⑤	<b>PROFIL 2R</b>	
Insulating shim Height : 17.5 mm Thickness : 2 mm	⑥	<b>MAR 367 A1</b>	2



### Dimensions



# Stud junction terminals

BJT 23 - 8 and 23 - 10 , Pitch: 25 mm



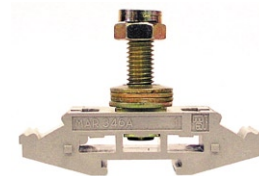
Connection for lugs or bars

## General characteristics

<b>Rated insulation voltage</b>	750V AC and DC. Class C per IEC and NF EN 60337-1
<b>Rated current</b>	200A per IEC and NF EN 60337-1
<b>Nominal cross-section</b>	70 mm <sup>2</sup> per IEC and NF EN 60337-1
<b>Correspondences : lugs, terminals, cables</b>	Refer to chart at the end of the catalogue
<b>Material</b>	Polycarbonate with 10% fibre-glass content
<b>Colour</b>	Grey 733
<b>Fire resistance</b>	UL 94 : V0 and class M2
<b>Max. operating temperature</b>	- 55 to + 110°C
<b>Tightening torque</b>	13 Nm (M8) - 29 Nm (M10)
<b>Equipment</b>	PHILIDAS self-locking nut + TREP 3L washer + flat washer

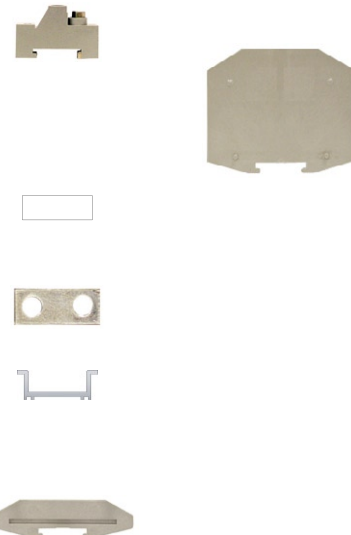
## Part number

Description	Part number	Weight g
Borne	<b>BJT 23-8</b> <b>BTJ 23-10</b>	45.8 45.8



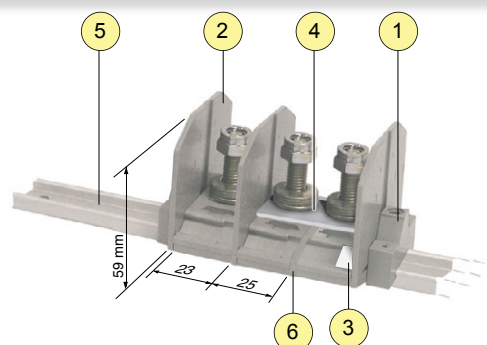
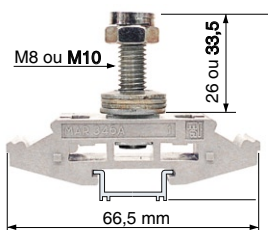
## Accessories

Description	Item No.	Part number	Weight g
End stop Thickness : 9 mm	①	<b>YSR 1004</b>	7.5
Separator Height : 55 mm Thickness : 2 mm	②	<b>MAR 343 A1</b>	8
Blank label 12 x 6 mm Bag of 50 pieces	③	<b>MAR 416 A1</b>	0.14
Junction strip Dist. betw. centres : 25 mm	④	Ø 8 mm <b>EDR 504 A1</b> Ø 10 mm <b>EDR 636 A1</b>	16 14.2
Profile 2R - NFC 93461 21.8 x 8.2 mm Material : AGS oxidised grey Sold by the meter	⑤	<b>PROFIL 2R</b>	
Insulating shim Height : 17.5 mm Thickness : 2 mm	⑥	<b>MAR 367 A1</b>	2



## Dimensions

BTJ 23-8 and BTJ 23-10



# Stud junction terminals

BJT 32 - 12 and 32 - 14 , Pitch: 43 mm



Connection for lugs or bars

## General characteristics

<b>Rated insulation voltage</b>	750V AC and DC. Class C per IEC and NF EN 60337-1
<b>Rated current</b>	300A - 450A
<b>Nominal cross-section</b>	125 - 200 mm <sup>2</sup>
<b>Correspondences : lugs, terminals, cables</b>	Refer to chart at the end of the catalogue
<b>Material</b>	Polycarbonate with 10% fibre-glass content
<b>Colour</b>	Grey 733
<b>Fire resistance</b>	UL 94 : V0 and class M2
<b>Max. operating temperature</b>	- 55 to + 110°C
<b>Tightening torque</b>	43 Nm (M12) - 58 Nm (M14)
<b>Equipment</b>	PHILIDAS self-locking nut + TREP 3L washer + flat washer

## Part number

Description	Part number	Weight g
Borne	<b>BJT 32-12</b>	175
	<b>BTJ 32-14</b>	200



## Accessories

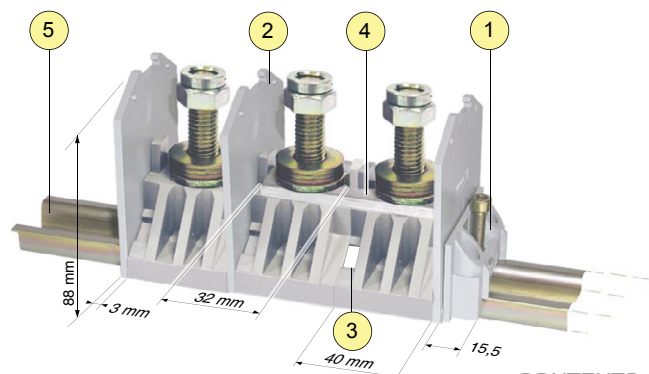
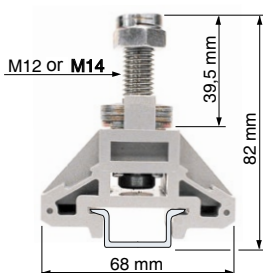
Description	Item No.	Part number	Weight g
End stop Thickness : 15.5 mm	1	<b>MAR 677 A11</b>	25.3
Separator Height : 80 mm Thickness : 3 mm	2	<b>MAR 676 A1</b>	19.3
Blank label 12 x 6 mm Bag of 50 pieces	3	<b>MAR 416 A1</b>	0.14
Junction strip Dist. betw. centres : 40 mm	4	2 blocs: Ø 12 mm <b>EDR 632 A1</b> Ø 14 mm <b>EDR 615 A1</b> 3 blocs: Ø 12 mm <b>EDR 631 A1</b> Ø 14 mm <b>EDR 616 A1</b>	81.4 78.3 124.9 118.2



Profile 35R - NFC 63015 - EN 50022 35 x 15 x 2.3 mm Material : AGS oxidised grey Sold by the meter	5	<b>PROFIL 35R</b>	
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## Dimensions

BTJ 32-12 and BTJ 32-14



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OFFER

# Stud junction terminals

## BJT 40 - 14, Pitch: 43 mm



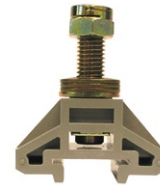
Connection for lugs or bars

### General characteristics

<b>Rated insulation voltage</b>	750V AC et DC. Classe C per IEC and NF EN 60337-1
<b>Rated current</b>	450A per IEC 337/1
<b>Nominal cross-section</b>	200 mm <sup>2</sup> per IEC 337/1
<b>Correspondences : lugs, terminals, cables</b>	Refer to chart at the end of the catalogue
<b>Material</b>	Polycarbonate chargé 10% de fibre de verre
<b>Colour</b>	Grey 733
<b>Fire resistance</b>	UL 94 : V0 and class M2
<b>Max. operating temperature</b>	- 55 to + 110°C
<b>Tightening torque</b>	58 Nm
<b>Equipment</b>	PHILIDAS self-locking nut + TREP 3L washer + flat washer

### Part number

Description	Part number	Weight g
Borne	<b>BJT 40-14</b>	198



### Accessories

Description	Item No.	Part number	Weight g
End stop Thickness : 15.5 mm	①	<b>MAR 677 A11</b>	25.3
Separator Height : 80 mm Thickness : 3 mm	②	<b>MAR 676 A1</b>	19.3
Blank label 12 x 6 mm Bag of 50 pieces	③	<b>MAR 416 A1</b>	0.14
Junction strip Dist. betw. centres : 40 mm	④	2 blocks <b>EDR 630 A1</b> 3 blocks <b>EDR 629 A1</b>	86.5 132.5



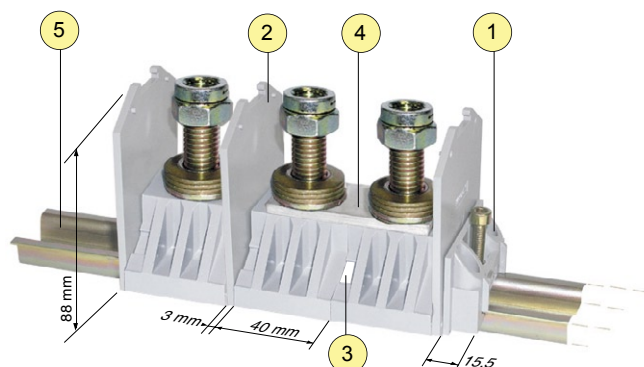
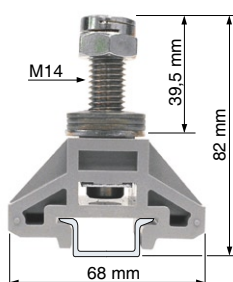
Profile 35R -  
NFC 63015 - EN 50022  
35 x 15 x 2.3 mm  
Material : AGS oxidised grey  
Sold by the meter

⑤

**PROFIL 35R**



### Dimensions



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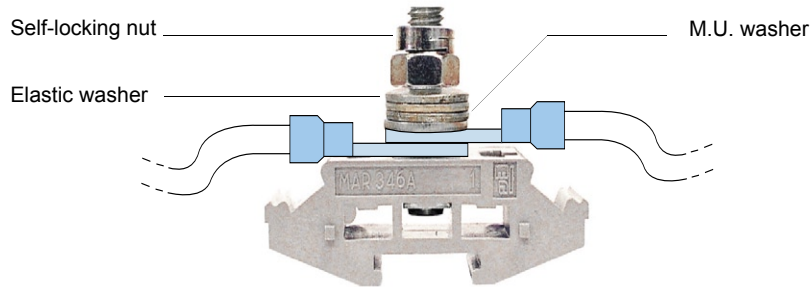
OFFER

# Stud junction terminals

## Electrical equipment



### How to assemble a terminal



### <sup>(1)</sup>Correspondences : Lugs - Terminals - Cables

LUGS				TERMINALS	CABLES				
Rod Ø	Bare lug P/N	Lug width	Shank I.D.		Acceptable conductor cross-section mm <sup>2</sup>				
				Part numbers	MZH	Internal conductor Rigid	flexible	Flex FTF	FZH
14	240-14R	38	21	<b>BJT 40-14</b>				200	185
14	185-14R	33	18.5	<b>BJT 40-14</b>	185	185		150	
14	150-14R	31	16.5	<b>BJT 32-14</b>				125	
12	150-12R	31	16.5	<b>BJT 32-12</b>				125	
14	120-14R	27.5	15	<b>BJT 32-14</b>	120	120		100	95
12	120-12R	27.5	15	<b>BJT 32-12</b>	120	120		100	95
12	95-12R	24.5	13	<b>BJT 32-12</b>	95	95		80	70
10	95-10R	20.5	13	<b>BJT 32-10</b>	95	95		80	70
12	70-12R	22	11.5	<b>BJT 32-12</b>	70	70			
10	70-10R	22	11.5	<b>BJT 23-10</b>	70	70			
10	70-10	18	11.5	<b>BJT 23-10</b>				50	50
10	50-10	18	9.4	<b>BJT 23-10</b>	50	50	35		
8	70-8	18	11.5	<b>BTJ 23-8</b>				50	50
8	50-8	18	9.4	<b>BJT 23-8</b>	50	50	35		
10	35-10	17	8.2	<b>BJT 23-10</b>	35	35	25		25
8	35-8	17	8.2	<b>BJT 23-8</b>	35	35	25		25
8	25-8	15	7	<b>BJT 23-8</b>	25	25			
6	25-6	13.5	7	<b>BJT 14-6</b>	25	25			
6	22-6 <sup>(2)</sup>	12.5	6.3	<b>BJT 14-6</b>			16		
8	16-8	15	5.6	<b>BJT 23-8</b>	16	16	10		
6	16-6 <sup>(2)</sup>	12	5.6	<b>BJT 14-6</b>	16	16	10		
6	16-6	12	4.3	<b>BJT 14-6</b>				10	10
6	10-6	12	4.3	<b>BJT 14-6</b>	10	10			
5	6-5 <sup>(2)</sup>	10	3.4	<b>BJT 12-5</b>	6	6	6		

(1) Per DCN Cherbourg contrat



# Stud junction terminals

## OTAN Nomenclature



### Correspondence of the Part numbers

Part number Mafelec	No. OTAN
<b>BJ2T 12-5</b>	<b>5940 14 437 2257</b>
BJT 12-5	5940 14 437 2254
<b>BJT 14-6</b>	<b>5940 14 437 2251</b>
BJT 23-10	5940 14 437 2245
<b>BJT 23-8</b>	<b>5940 14 437 2246</b>
BJT 32-12	5940 14 437 2241
<b>BJT 32-14</b>	<b>5940 14 437 6974</b>
BJT 40-14	5940 14 437 2237
<b>BJT 9-5</b>	<b>5940 14 464 6943</b>
EDR 307 A1	6150 14 437 2282
<b>EDR 348 A1</b>	<b>6150 14 437 2285</b>
EDR 504 A1	6150 14 437 2290
<b>EDR 615 A1</b>	<b>6150 14 437 2298</b>
EDR 616 A1	6150 14 437 2299
<b>EDR 627 A1</b>	<b>6150 14 465 0934</b>
EDR 629 A1	6150 14 437 2303
<b>EDR 630 A1</b>	<b>6150 14 437 2312</b>
EDR 631 A1	6150 14 437 2322
<b>EDR 632 A1</b>	<b>6150 14 437 2316</b>
EDR 636 A1	6150 14 437 2293
<b>MAR 343 A1</b>	<b>5970 14 437 2259</b>
MAR 367 A1	5970 14 437 2267
<b>MAR 416 A1</b>	<b>9905 14 437 2326</b>
MAR 634 A1	9905 14 465 0932
<b>MAR 676 A1</b>	<b>5970 14 437 2262</b>
MAR 677 A1	5970 14 437 2276
<b>MAR 686 A11</b>	<b>5970 14 464 6944</b>
PROFIL 2R	9520 14 437 2328
<b>PROFIL 35R</b>	<b>9520 14 437 2330</b>
YSR 1004	5970 14 437 2270