

# BATTERY CONNECTORS



## VOLTAGE COLOUR COMBINATIONS

All S-connectors can function until 600V DC. When several electric devices with different voltages are used, it's recommended to choose a colour code for every voltage! None of these colours are interchangeable! Only connectors with the same colour are interchangeable!

The recommended Voltage/colour combinations are:

Yellow: 12V	Blue: 48V
Orange: 18V	Green: 72V
Red: 24V	Black: 80V
Grey: 36V	Brown: 96V

## DIMENSIONS OF THE BATTERY CONNECTORS

	TYPE	Y	X	H
	SB 50	36,5	47,6	15,9
	SB 175	55,6	79,4	25,4
	SB 350	69,8	108	33,3
	SBX 175	71,2	92,2	25
	SBX 350	85,7	125,4	33,3
	SBE 160	71,2	92,2	25,4
	SBE 320	85,7	125,4	33,3

### SB-SERIES

2 pole connector available in 50, 175 & 350A for usage till 600V DC & AC. SB175 is also available in 3 pole.

### SBX-SERIES

2 pole connector available in 175 & 350A for usage till 600V DC & AC. The SBX series have extra option to use auxiliary contacts.

### SBE-SERIES

The SBE is a further development of the SBX connector. 2 pole connector available in 80, 160 & 320A for usage till 150V DC & AC.

The SBE160 is also available in 3 poles.

The SBE series have extra option to use auxiliary contacts.



### BATTERY CONNECTOR: SB / S 50

TYPE	colour	V	cable	REF
SB / S 50	yellow	12V	16 mm <sup>2</sup>	<a href="#">BAT/32713</a>
SB / S 50	red	24V	6 mm <sup>2</sup>	<a href="#">BAT/45879</a>
SB / S 50	red	24V	16 mm <sup>2</sup>	<a href="#">BAT/15995</a>
SB / S 50	grey	36V	16 mm <sup>2</sup>	<a href="#">BAT/15790</a>



### BATTERY CONNECTOR: SB120

TYPE	colour	V	cable	REF
SB 120	red	24V	35 mm <sup>2</sup>	<a href="#">BAT/34655</a>
SB 120	grey	36V	35 mm <sup>2</sup>	<a href="#">BAT/34657</a>
SB 120	bleu	48V	35 mm <sup>2</sup>	<a href="#">BAT/34656</a>



# BATTERY ACCESSORIES

## BATTERY CONNECTORS



**BATTERY CONNECTOR: SB/S175**

TYPE	colour	V	cable	REF
SB / S 175	yellow	12 V	50 mm <sup>2</sup>	BAT/15440
	orange	18 V	50 mm <sup>2</sup>	BAT/15996
	red	24 V	50 mm <sup>2</sup>	BAT/15997
	grey	36 V	50 mm <sup>2</sup>	BAT/15998
	blue	48 V	50 mm <sup>2</sup>	BAT/15999



**BATTERY CONNECTOR: SB/S350**

TYPE	colour	V	cable	REF
SB / S 350	yellow	12 V	70 mm <sup>2</sup>	BAT/16000
	red	24 V	70 mm <sup>2</sup>	BAT/16001
	grey	36 V	70 mm <sup>2</sup>	BAT/15478
	blue	48 V	70 mm <sup>2</sup>	BAT/16002
	green	72 V	70 mm <sup>2</sup>	BAT/16003

**BATTERY CONNECTOR: SBE 80**

TYPE	colour	V	cable	REF
SBE 80	red	24 V	16 mm <sup>2</sup>	BAT/16144

**BATTERY CONNECTOR:  
SBE / SAE 160 - SBX / SA 176**

TYPE	colour	V	cable	REF
SBE / SAE 160	yellow	12 V	50 mm <sup>2</sup>	BAT/16008
	orange	18 V	50 mm <sup>2</sup>	BAT/16009
	red	24 V	50 mm <sup>2</sup>	BAT/15442
SBX / SA 175	grey	36 V	50 mm <sup>2</sup>	BAT/15729
	blue	48 V	50 mm <sup>2</sup>	BAT/15381
	green	72 V	50 mm <sup>2</sup>	BAT/16010
	black	80 V	50 mm <sup>2</sup>	BAT/16011

**BATTERY CONNECTOR:  
SBE / SAE 160 - SBX / SA 176**

TYPE	colour	V	cable	REF
SBE / SAE 160	yellow	12 V	35 mm <sup>2</sup>	BAT/16004
	orange	18 V	35 mm <sup>2</sup>	BAT/16005
	red	24 V	35 mm <sup>2</sup>	BAT/15377
SBX / SA 175	grey	36 V	35 mm <sup>2</sup>	BAT/15396
	blue	48 V	35 mm <sup>2</sup>	BAT/15397
	green	72 V	35 mm <sup>2</sup>	BAT/16006
	black	80 V	35 mm <sup>2</sup>	BAT/16007

**BATTERY CONNECTOR: SBX / SA 350**

TYPE	colour	V	cable	REF
SBX / SA 350	yellow	12 V	70 mm <sup>2</sup>	BAT/16012
	red	24 V	70 mm <sup>2</sup>	BAT/17487
	grey	36 V	70 mm <sup>2</sup>	BAT/16014
	blue	48 V	70 mm <sup>2</sup>	BAT/15380
	green	72 V	70 mm <sup>2</sup>	BAT/16015
	black	80 V	70 mm <sup>2</sup>	BAT/16016

**BATTERY CONNECTOR:  
SBE / SAE 320**

TYPE	colour	V	cable	REF
SBE / SAE 320	yellow	12 V	70 mm <sup>2</sup>	BAT/16017
	orange	18 V	70 mm <sup>2</sup>	BAT/16018
	red	24 V	70 mm <sup>2</sup>	BAT/16019
	grey	36 V	70 mm <sup>2</sup>	BAT/16020
	blue	48 V	70 mm <sup>2</sup>	BAT/15441
	green	72 V	70 mm <sup>2</sup>	BAT/16021
	black	80 V	70 mm <sup>2</sup>	BAT/15819
	brown	96 V	70 mm <sup>2</sup>	BAT/16022
	violet	120 V	70 mm <sup>2</sup>	BAT/16023

**AUX. CONTACT KIT (2pc)**

TYPE	cable	REF
SB / S 50	16 mm <sup>2</sup>	BAT/16508
SB / S 175	50 mm <sup>2</sup>	BAT/16510
SBE / SAE 160 - SBX / SA 175	35 mm <sup>2</sup>	BAT/16514
SBE / SAE 160 - SBX / SA 175	50 mm <sup>2</sup>	BAT/16517
SB / S 350	70 mm <sup>2</sup>	BAT/16520
SBX / SA 350	70 mm <sup>2</sup>	BAT/16523
SBE / SAE 320	35 mm <sup>2</sup>	BAT/16526

**AUX. CONTACT KIT (2pc)**

TYPE	cable	REF
SBX / SAE SBX / SA 175	1-4 mm <sup>2</sup>	BAT/15437



BAT/17399 ▶



**BATTERY CONNECTOR 3 POLE**  
SB 3175

color	V	cable	REF
grey	36 V	50 mm <sup>2</sup>	<a href="#">BAT/16676</a>
Contact set (3 pcs)		50 mm <sup>2</sup>	<a href="#">BAT/17747</a>



**BATTERY CONNECTOR 3 POLE**  
SBE 3160



color	V	cable	REF
red	24 V	50 mm <sup>2</sup>	<a href="#">BAT/17749</a>
blue	48 V	50 mm <sup>2</sup>	<a href="#">BAT/17751</a>
Contact set (3 pcs)		50 mm <sup>2</sup>	<a href="#">BAT/17753</a>
Handle black			<a href="#">BAT/17399</a>

**AUX. CONTACT KIT: SB / SBE / SBX**

TYPE	AWG	cable	REF
SB / SBE / SBX	18 - 12	1 - 4 mm <sup>2</sup>	<a href="#">BAT/15437</a>
Contact set (2 pcs)			

**NYLON HANDLE**



TYPE	color	REF
for SB 50	red	<a href="#">BAT/17755</a>
	black	<a href="#">BAT/17329</a>



**NYLON HANDLE**

TYPE	color	REF
for SB / SBX 175 / SBE 160	grey	<a href="#">BAT/15766</a>
	red	<a href="#">BAT/15763</a>
for SB / SBX 350 / SBE 320	grey	<a href="#">BAT/15820</a>
	red	<a href="#">BAT/17330</a>

**HANDLE FOR BT**



TYPE	color	REF
SBE 160 / SBX 175	black	<a href="#">BAT/17759</a>



**HANDLE FOR BT**

TYPE	color	REF
SBE 160 / SBX 175	black	<a href="#">BAT/17761</a>



**AIR SYSTEM**

TYPE	REF
SBE 160 / 320 - SBX 175 / 350	<a href="#">BAT/17557</a>

**EURO CONNECTOR**

**EURO CONNECTOR: V / F FT80**



TYPE		cable	REF
FT80	V / F	16 mm <sup>2</sup>	<a href="#">BAT/16067</a>
	V / F	25 mm <sup>2</sup>	<a href="#">BAT/16068</a>
Contacts (pcs)		16 mm <sup>2</sup>	<a href="#">BAT/16556</a>
		25 mm <sup>2</sup>	<a href="#">BAT/16559</a>
Aux. contact kit (2 pcs)			<a href="#">BAT/16607</a>
Handle for FT80 (red)			<a href="#">BAT/16624</a>



**EURO CONNECTOR: M FT80**

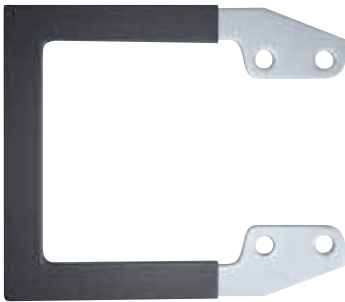
TYPE		cable	REF
FT80	M	16 mm <sup>2</sup>	<a href="#">BAT/16065</a>
	M	25 mm <sup>2</sup>	<a href="#">BAT/16066</a>
Contacts (pcs)		16 mm <sup>2</sup>	<a href="#">BAT/16550</a>
		25 mm <sup>2</sup>	<a href="#">BAT/16553</a>
Aux. contact kit (2 pcs)			<a href="#">BAT/16604</a>
Handle for FT80 (red)			<a href="#">BAT/16624</a>



# BATTERY ACCESSORIES

## BATTERY CONNECTORS

### METAL BATTERY HANDLE EURO 160/320



▶ **BAT/47893**  
Metal handle



### EURO CONNECTOR:

#### F EURO 80A - DIN 43589

TYPE		cable	REF
80A	V / F	16 mm <sup>2</sup>	<a href="#">BAT/16070</a>
	V / F	25 mm <sup>2</sup>	<a href="#">BAT/15453</a>
Contacts (pcs)		16 mm <sup>2</sup>	<a href="#">BAT/16568</a>
		25 mm <sup>2</sup>	<a href="#">BAT/16571</a>
Aux. contact kit (2 pcs)			<a href="#">BAT/16613</a>
Handle for 80A (black)			<a href="#">BAT/15384</a>

### EURO CONNECTOR:

#### M EURO 80A - DIN 43589

TYPE		cable	REF
80A	M	16 mm <sup>2</sup>	<a href="#">BAT/16069</a>
	M	25 mm <sup>2</sup>	<a href="#">BAT/15452</a>
Contacts (pcs)		16 mm <sup>2</sup>	<a href="#">BAT/16562</a>
		25 mm <sup>2</sup>	<a href="#">BAT/16565</a>
Aux. contact kit (2 pcs) + adapter			<a href="#">BAT/16610</a>
Handle for 80A (black)			<a href="#">BAT/15384</a>

### BATTERY CONNECTOR:

#### F EURO 160A - DIN 43589

TYPE		cable	REF
160A	V / F	25 mm <sup>2</sup>	<a href="#">BAT/16072</a>
	V / F	25 mm <sup>2</sup>	<a href="#">BAT/45953*</a>
	V / F	35 mm <sup>2</sup>	<a href="#">BAT/15395</a>
	V / F	50 mm <sup>2</sup>	<a href="#">BAT/15389</a>
Contacts (pcs)		25 mm <sup>2</sup>	<a href="#">BAT/16583</a>
		35 mm <sup>2</sup>	<a href="#">BAT/16586</a>
		50 mm <sup>2</sup>	<a href="#">BAT/16589</a>
Aux. contact kit (2 pcs)			<a href="#">BAT/16619</a>
Handle (black proconnect)			<a href="#">BAT/16631</a>

Metal handle BAT/47893

\*without handle

### BATTERY CONNECTOR:

#### M EURO 160 A - DIN 43589

TYPE		cable	REF
160A	M	25 mm <sup>2</sup>	<a href="#">BAT/15797</a>
	M	35 mm <sup>2</sup>	<a href="#">BAT/15393</a>
	M	50 mm <sup>2</sup>	<a href="#">BAT/15394</a>
Contacts (pcs)		25 mm <sup>2</sup>	<a href="#">BAT/16574</a>
		35 mm <sup>2</sup>	<a href="#">BAT/16577</a>
		50 mm <sup>2</sup>	<a href="#">BAT/16580</a>
Aux. contact kit (2 pcs)			<a href="#">BAT/16616</a>
Handle (black proconnect)			<a href="#">BAT/15764</a>

Metal handle BAT/47893

### BATTERY CONNECTOR: F EURO 320 A - DIN 43589



TYPE		cable	REF
320A	V / F	50 mm <sup>2</sup>	<a href="#">BAT/15793</a>
	V / F	70 mm <sup>2</sup>	<a href="#">BAT/15794</a>
	V / F	95 mm <sup>2</sup>	<a href="#">BAT/16077</a>
Contacts (pcs)		50 mm <sup>2</sup>	<a href="#">BAT/16598</a>
		70 mm <sup>2</sup>	<a href="#">BAT/16601</a>
		95 mm <sup>2</sup>	<a href="#">BAT/17806</a>
Aux. contact kit (2 pcs) + adapter			<a href="#">BAT/16660</a>
Handle (black)			<a href="#">BAT/15764</a>

Metal handle BAT/47893

### BATTERY CONNECTOR: M EURO 320 A - DIN 43589



TYPE		cable	REF
320A	M	50 mm <sup>2</sup>	<a href="#">BAT/16074</a>
	M	70 mm <sup>2</sup>	<a href="#">BAT/16075</a>
	M	95 mm <sup>2</sup>	<a href="#">BAT/16076</a>
Contacts (pcs)		50 mm <sup>2</sup>	<a href="#">BAT/16592</a>
		70 mm <sup>2</sup>	<a href="#">BAT/16595</a>
		95 mm <sup>2</sup>	<a href="#">BAT/19589</a>
Aux. contact kit (2 pcs) + adapter			<a href="#">BAT/16622</a>
Handle (black)			<a href="#">BAT/15764</a>

Metal handle BAT/47893

### EURO CONNECTOR "AIR"

Complete (case + adapter + handle + contacts)



TYPE		V/F	M
80 A	16 mm <sup>2</sup>	<a href="#">BAT/17817</a>	<a href="#">BAT/17730</a>
	25 mm <sup>2</sup>	<a href="#">BAT/17819</a>	<a href="#">BAT/17732</a>
160 A	25 mm <sup>2</sup>	<a href="#">BAT/17739</a>	<a href="#">BAT/15727</a>
	35 mm <sup>2</sup>	<a href="#">BAT/15728</a>	<a href="#">BAT/16642</a>
	50 mm <sup>2</sup>	<a href="#">BAT/15726</a>	<a href="#">BAT/16645</a>
320 A	50 mm <sup>2</sup>	<a href="#">BAT/16101</a>	<a href="#">BAT/16102</a>
	70 mm <sup>2</sup>	<a href="#">BAT/16639</a>	<a href="#">BAT/16650</a>
80 A	Contact aux. (1pc.)	<a href="#">BAT/17736</a>	
160 A	Contact aux. (1pc.)	<a href="#">BAT/17829</a>	
320 A	Contact aux. (1pc.)	<a href="#">BAT/17410</a>	
80 A	Adapter blue	<a href="#">BAT/17734</a>	<a href="#">BAT/17744</a>
160 A	Adapter blue	<a href="#">BAT/16194</a>	<a href="#">BAT/17741</a>
320 A	Adapter blue	<a href="#">BAT/17263</a>	<a href="#">BAT/17264</a>



### BATTERY CONNECTOR: TYPE Y "REMA"

Complete (case + contacts)

TYPE		cable	REF
M (battery)	160 A	35 mm <sup>2</sup>	<a href="#">BAT/17331</a>
	200 A	50 mm <sup>2</sup>	<a href="#">BAT/15374</a>



### BATTERY CONNECTOR: TYPE Y "REMA"

Fixation : 82,6 x 48 mm & 80 x 35 mm

TYPE		cable	REF
F (truck)	160 A	35 mm <sup>2</sup>	<a href="#">BAT/17332</a>
	200 A	50 mm <sup>2</sup>	<a href="#">BAT/17333</a>



### BATTERY CONNECTOR: TYPE Y "REMA"

TYPE		cable	REF
F (charger)	160 A	35 mm <sup>2</sup>	<a href="#">BAT/17334</a>
	200 A	50 mm <sup>2</sup>	<a href="#">BAT/17335</a>



### BATTERY CONNECTOR: TYPE Y "REMA"

Complete (case + contacts)

TYPE		cable	REF
F (battery):	160 A	35 mm <sup>2</sup>	<a href="#">BAT/15375</a>
	200 A	50 mm <sup>2</sup>	<a href="#">BAT/17336</a>



### BATTERY CONNECTOR: TYPE Y "REMA"

TYPE		cable	REF
M (truck) Fixation: 82,6 x 48 mm	160 A	35 mm <sup>2</sup>	<a href="#">BAT/17337</a>
	200 A	50 mm <sup>2</sup>	<a href="#">BAT/17338</a>
M (truck) Fixation: 80 x 35 mm	160 A	35 mm <sup>2</sup>	<a href="#">BAT/17339</a>
	200 A	50 mm <sup>2</sup>	<a href="#">BAT/17340</a>



### BATTERY CONNECTOR: TYPE Y "REMA"

TYPE		cable	REF
M (charger)	160 A	35 mm <sup>2</sup>	<a href="#">BAT/17341</a>
	200 A	50 mm <sup>2</sup>	<a href="#">BAT/17342</a>



# BATTERY ACCESSORIES

## BATTERY CONNECTORS



### BATTERY CONNECTOR PROTECTION



**BAT/18931**  
Balancer 1-2 Kg (1,6m)

**BAT/18933**  
Support

**BAT/36200**  
Bolt

**BAT/18937**  
Brace

### Balancers

#### ◀ **BAT/18931**

Balancer 1-2 Kg (1,6m)

#### ◀ **BAT/46010**

Balancer 2-3- Kg (1,6m)

#### ◀ **BAT/18935**

Balancer 2-4 Kg (2m)

#### ◀ **BAT/46011**

Balancer 2-3,5 Kg (2,3m)

#### ◀ **BAT/23089**

Balancer 2-4 Kg (2,5m)

### Complete

#### ◀ **BAT/15216**

Connector protection complete 1-2 Kg (1,6m)  
Support + brace + bolt

#### ◀ **BAT/15217**

Connector protection complete 2-4 Kg (2m)  
Support + brace + bolt

#### ◀ **BAT/46017**

Connector protection complete 2-3 Kg (1,6m)  
Support + brace + bolt

#### ◀ **BAT/46018**

Connector protection complete 2-3,5 Kg (2,3m)  
Support + brace + bolt



### SPIRAL WRAPPING

REF	Description
<b>BAT/18953</b>	Wrapping Ø 8 mm
<b>BAT/18955</b>	Install device
<b>BAT/18957</b>	Wrapping Ø 15 mm
<b>BAT/18959</b>	Install device
<b>BAT/18961</b>	Wrapping Ø 20 mm
<b>BAT/18963</b>	Install device
<b>BAT/18965</b>	Wrapping Ø 25 mm
<b>BAT/18967</b>	Install device
<b>BAT/19503</b>	Wrapping Ø 32mm
<b>BAT/19504</b>	Install device

# INDUSTRIAL PLUGS

## INDUSTRIAL PLUGS 230V



▲ female  
**BAT/37200** 16A

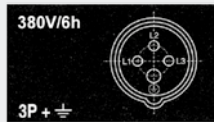


▲ male  
**BAT/37691** 16A

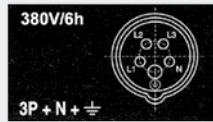


▲ female  
**BAT/37198** 16A

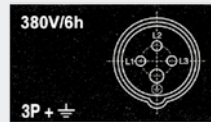
## INDUSTRIAL PLUGS 380V



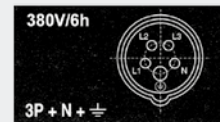
▲ male  
**BAT/35613** 16A  
**BAT/35614** 32A



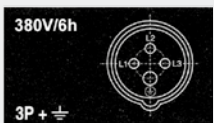
▲ male  
**BAT/35615** 16A  
**BAT/35390** 32A



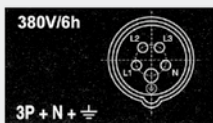
▲ female  
**BAT/35920** 16A  
**BAT/35922** 32A



▲ female  
**BAT/35924** 16A  
**BAT/35926** 32A



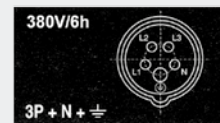
▲ male  
**BAT/35928** 16A  
**BAT/35930** 32A



▲ male  
**BAT/35932** 16A  
**BAT/35934** 32A



▲ female  
**BAT/35936** 16A  
**BAT/35938** 32A



▲ female  
**BAT/35940** 16A  
**BAT/35942** 32A

\* IP44 - IEC60309-1 & 2 - EN60309-1 & 2

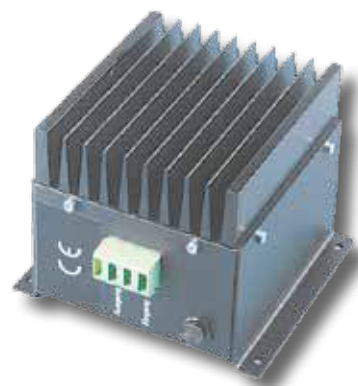


# BATTERY ACCESSORIES

## INVERTERS

### DC-DC INVERTERS

- A light diode indicates if it's running
- Short circuit proof
- Total isolation between in- and output
- Connection for the in- and output
- Easy to install



DC-DC INVERTERS					
Reference	Tension in (DC)	Tension out (AC)	Dimensions LxWxH	Amp. Reference	Watt
BAT/45986	24V	12V	46 x 32 x 18	3	36
BAT/18447	24V	12V	101 x 80 x 50	5	60
BAT/18449	24V	12V	121 x 99 x 48	20	240
BAT/18451	24V	12V	150 x 100 x 50	30	360
BAT/45876	36V	12V	68 x 57 x 22	5	60
BAT/18453	36V	12V	237 x 122 x 108	33	400
BAT/18459	48V	12V	161 x 77 x 70	8	100
BAT/18468	48V	12V	237 x 122 x 108	16	200
BAT/15955	48V	12V	117 x 130 x 100	20	240
BAT/18484	72V	12V	130 x 35 x 100	10	240
BAT/18510	80V	12V	161 x 77 x 70	8	100
BAT/18512	72V - 80V	12V	131 x 130 x 100	16	200
BAT/18514	72V - 80V	12V	117 x 130 x 100	20	240
BAT/18516	72V - 80V	12V	117 x 130 x 100	10	240
BAT/47021	80V	12V	161 x 77 x 70	10	120
BAT/18522	80V	24V	161 x 77 x 70	5	120
BAT/18524	80V	24V	131 x 130 x 100	10	240

### ADJUSTABLE DC/DC INVERTERS



DC-DC INVERTERS					
Reference	Tension in (DC)	Tension out (AC)	Dimensions LxWxH	Amp. Reference	Watt
BAT/45742	20 - 32V	12V	129 x 115 x 62	6	80
BAT/29669	18 - 32V	24V	270 x 148 x 58	7	