

# SBR03

## Setpoint device for 635 / 637' series



## Further descriptions, that relate to this document:

UL: 07-01-05-06



635 - Product - Manual

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UL: 07-02-08-03



637 - Product - Manual

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UL: 07-02-09-01



637+ - Product - Manual

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UL: 07-02-10-01



637f - Product - Manual

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Made in Germany, 2005

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## The most important thing first

Thanks for your confidence choosing our product.

These operating instructions present themselves as an overview of the technical data and features.

Please read the operating instructions before operating the product.

If you have any questions, please contact your nearest SSD Drives representative. Improper application of the product in combination with dangerous voltage can lead to injuries.

In addition, damage can also occur to motors or other products.

Therefore please observe our safety precautions strictly.

### Safety precautions

We assume that, as an expert, you are familiar with the relevant safety regulations, especially in accordance with VDE 0100, VDE 0113, VDE 0160, EN 50178, the accident prevention regulations of the employers liability insurance company and the DIN regulations and that you are able to use and apply them.

As well, relevant European Directives must be observed.

Depending on the kind of application, additional regulations e.g. UL, DIN are subject to be observed.

If our products are operated in connection with components from other manufacturers, their operating instructions are also subject to be observed strictly.

# 1 Description

The setpoint device is a start-up aid for the SSD Drives servo drives, 635 and 637'series

## 1.1 Possible applications;

### 1.1.1 As a separate setpoint source

All inputs can be operated with switches.

All outputs are displayed with LED`s

(For this, the switch must be in position "**an X10.16**")

In this way, the digital outputs of the 635/637'series are supplied with the auxiliary voltage +12 V.

**Speed setpoint output = 0 - 10 V**

**Current limit = 0 - 5 V**

### 1.1.2 As test adapter

In order to test or display signals resp., between the (635/637'series) X10 and the PLC.

For this, all switches with X1 label must also be or X1. This way all signals are looped through from X1 to X0. You can now test on the sockets and all outputs are displayed, respectively.

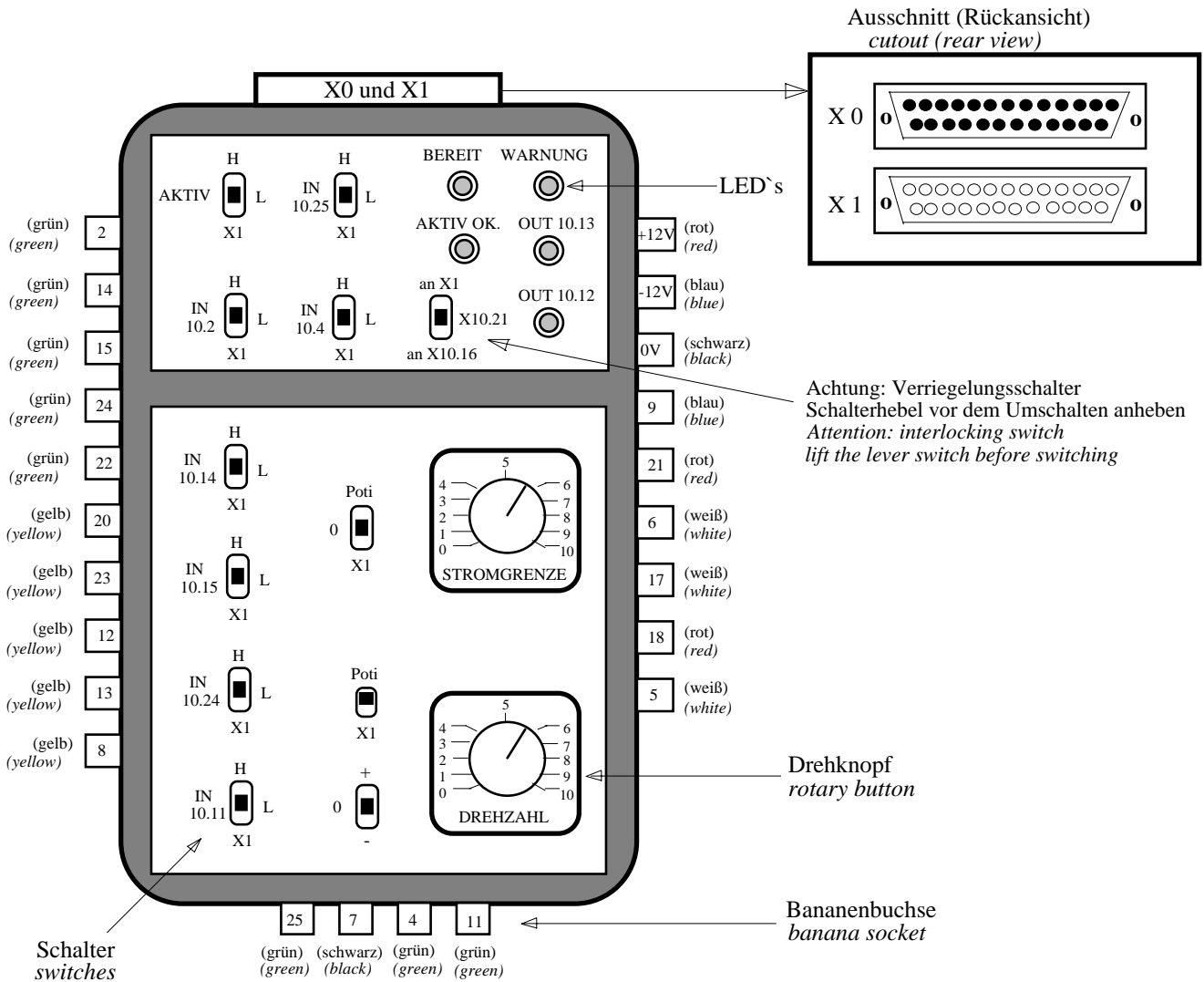
(For this, the switch must be in position "**an X1**")



**CAUTION**

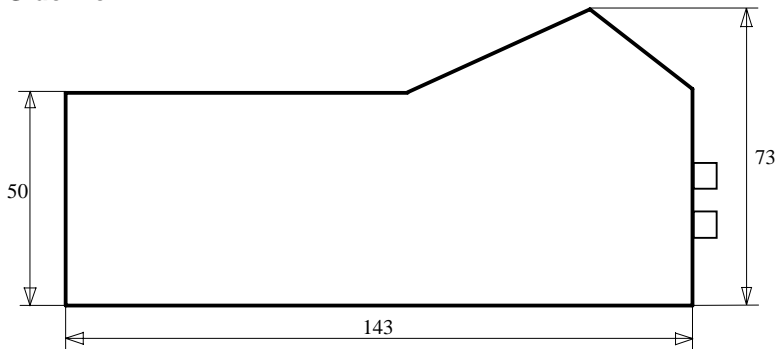
The switch X10.21 is protected against accidental use.  
Lift the lever switch before switching!

## 2 Layout of the plugs and switches

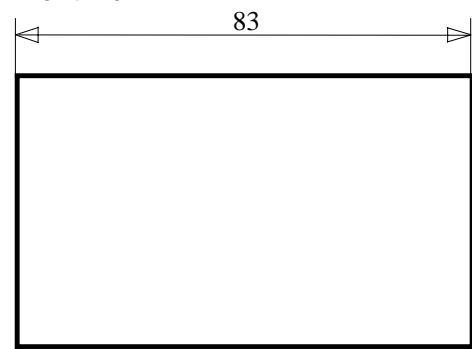


## 3 Dimensions

Side view



Front view



all dimensions in "mm"

## 4 Terminal assignment

### X0 - and X1 - connection (with X1 - all switches on X1)

PIN	Function	Designation	Level
2	digital output	IN 10.2	H = +12V L = open
3	input auxiliary voltage		
4	digital output	IN 10.4	H = +12V L = open
5	analog output	reference point to X10.1	0...+10V
6	analog input		signal from test socket MP2
7	optional		
8	digital input	READY	LED yellow
9	reference point for digital inputs		0V PLC
10	ground		
11	digital output	IN 10.11	H = +12V L = open
12	digital input	OUT 10.12	LED green
13	digital input	OUT 10.13	LED green
14	digital output	IN 10.14	H = +12V L = open
15	digital output	IN 10.15	H = +12V L = open
16	input auxiliary voltage		stabilized auxiliary voltage -12VDC
17	analog input	speed	signal from test socket MP1
18	analog output	speed setpoint	0...+10V
19	analog output	current limit	0 - +10V
20	input	WARNING	LED red
21	supply for inputs	X10.21	24V DC
22	digital output	ACTIVE	H = active L = inactive
23	input	ACTIVE OK.	LED yellow
24	digital output	IN 10.24	H = +12V L = open
25	digital output	IN 10.25	H = +12V L = open

#### Note:

The load of the (635 / 637'series) digital outputs via LED's with stand alone = 5 mA (X0),  
with operation of X1 (24V) = 10 mA





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