



*Control and Terminal
Box
Type B23-**-******

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1. Product Description

The Control and Terminal Box Type B23-**-***** is built with an enclosure made of polyester, aluminium, sheet steel or stainless steel.

The Box is built for the use in industrial atmosphere. The Control and Terminal Box Type B23-**-***** is equipped with terminals, cable glands and possibly with control and signal units.

The construction and functionality of the control and terminal boxes is tested and documented by Exepd GmbH piece by piece. The passed quality test is shown by marking the box with the type label.

2. Normal Handling

The Control and Terminal Box Type B23-**-***** is built for local installation in industrial atmosphere **NOT for use in hazardous area!**

Wall fixing is to be done by the wall mounting brackets or by the mounting hole of the enclosures.

The individual Type label shows all the electrical data for safe. If there is no information about the ambient temperature on the type label, the boxes can be used in the temperature range of -20°C up to 40°C.

It is prohibited to make any changes on the Control and Terminal Boxes without contacting the manufacturer.

3. Technical Data

Enclosure material

Type B23-*1-*****	Polyester
Type B23-*2-*****	Aluminium painted
Type B23-*3-*****	Stainless Steel 1.4301 (V2A)
Type B23-*4-*****	Stainless Steel 1.4404 (V4A)
Type B23-*5-*****	Sheet Steel painted

Protection according to 60529/IEC 60529:

IP 54 up to IP 66 depending on installed equipment (please refer to type label)

Ambient temperature range:

max. -50°C up to + 80°C

4. Electrical Data

(please refer to type label for details)

Maximum rated voltage:	1100 V
Maximum rated current:	125 A
Maximum cross section:	35 mm ²
Maximum power loss:	1000 Watt

5. Components / Cable Glands

Build-in components and command and signal units are selected according to the customer requirements and the environmental conditions on the place of installation, e.g. outdoor or indoor use. To keep the required IP protection, open hole in the enclosure must be closed by usefull plugs. Metal cable glands and plug in polyester enclosure must be connected to the protective earth system.

6. Safety references

The Control and Terminal Boxes Type B23-**-***** must be installed, supervised, maintained and kept in good conditions by the owner of the plant. Part of this is an inspection after the transport to identify possible damages caused during the transport. Only qualified workers are allowed to install and dismount as well as doing maintenance work on the control and terminal boxes. All universally valid rules and laws and other binding directives for the safety of people and environment must be kept.



7. Installation

Mounting

The control and terminal boxes must be protected against aggressive and unusual environmental conditions which could cause damages on the equipment. This could be e.g. acids or high and low temperatures.

For installation, please refer to valid standards and directivities on the place of erection. Information on the type label must be kept!

The Control and Terminals Boxes B23-**-*****are build for installation in hazardous area!

Wall fixing is to be done by the wall mounting brackets or by the mounting hole of the enclosures.

Installation

The wire connection must be made in such a manner, that the insulation material and the cores itself will not be damaged. Regarding the maximum possible cross connection and electrical data, please refer to the information written on the type label.

Metal enclosures must be connected to the general earth system via a cable with minimum 4 mm² cross section.

8. Starting

Before the Control and Terminal Box is put into operation, the qualification for the use in the predominant environmental conditions have to be tested.

It is not allowed to exceed the written data on the type label.

The functionality of the control and terminal box itself, as well as its combination with the plant or machine must be tested before the first use.

Only use the Control and Terminal Box in clean and intact condition.

9. Operation, Maintenance and Elimination of Disturbances

The Control and Terminal Boxes Type B23-**-***** must be installed, supervised, maintained and kept in good conditions by the owner of the plant. Only skilled workers are allowed to do maintenance and the elimination of disturbance work. Before doing this work, the safety requirements must be kept!

For elimination of disturbances, only original spare parts after consulting with Exepd are allowed to use. Before using the boxes again, the safety requirements must be kept!

10. Accessories and spare parts

Please refer to www.exepd.de

11. Service adress

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