

Brake Control Unit BCU2001



PINTSCH BUBENZER
is certified according to
DIN EN ISO 9001:2008



Reliable



High Performance



Robust



Easy Maintenance



Compact



Tried and Trusted

Description Brake Control Unit BCU2001



Main Features

EMC compatibility
Maximum air gap (wear) indication by LED
Maximum air gap indication by relay contact
Function on/off indication by LED
Function on/off indication by relay contact
No sensors on the brake
No sensor wiring to the brake
Perfect retrofit equipment
Directly connectable with PLC systems
AC and DC auxiliary power supplies applicable
Top-hat rail mounted

Applications

Container cranes
Ship winches
Automatic racking systems
Conveyor belts
General electrical drives

Options

Combinable with the switching rectifier SGL in overexcitation mode
Combinable with bridge rectifier BGL-PE400/150/3
Combinable with half-wave rectifier EGL-PE400/150/3

Method

The Brake Control Unit BCU 2001 records characteristic current and voltage variations, which are induced by movements of the armature disk in the magnetic field of the brake coil. In an interference free and reliable manner it evaluates the signal levels in terms of the control state (applied or released) and the maximum air gap (maximum wear)

Important requirements

AC and DC circuit to be switched simultaneously
AC circuit may not be switched alone



Please Note

We supply a detailed operating manual with every order. Nevertheless, we would point out that brakes are only as safe as the servicing and maintenance performed while they are in operation. The guarantee for the correct functioning of our brakes is only valid if the user adheres to the German DIN standard 15434 part 2 (drum and disc brakes, servicing and maintenance in operation), or to comparable standards in his own country.



PINTSCH BUBENZER Service

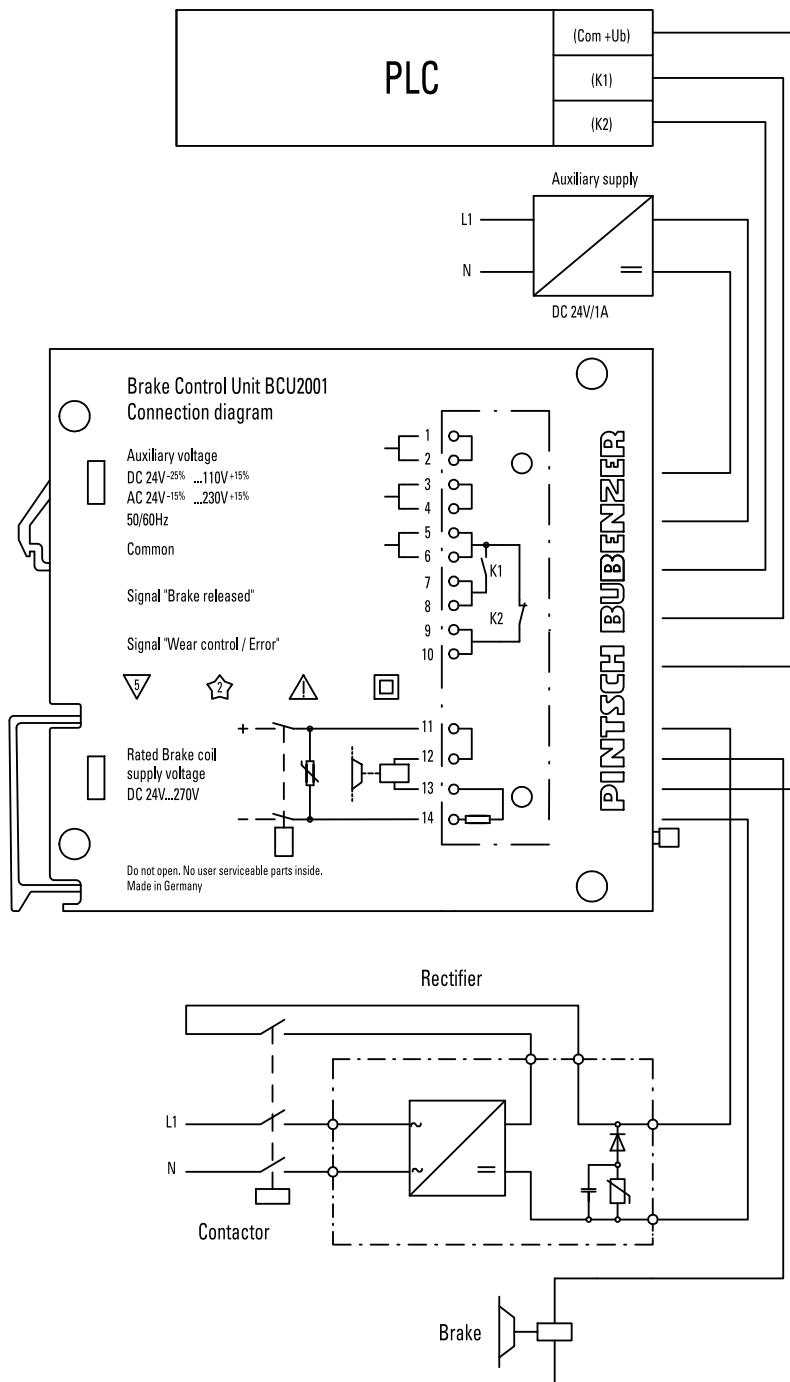
This includes the verification of the brake selection, if required. A detailed questionnaire is provided for this purpose. Installation and commissioning on-site by PINTSCH BUBENZER service engineers is possible. Drawings as DWG/DXF files for your engineering department are available upon request.

Brake Control Unit BCU2001

Principal circuit diagram



Rev. 03-09



Technical data

Permissible coil voltages:	DC 24V ... 396V
Ambient temperature:	-40° C ... +50° C
Protection class:	IP 20
Permissible auxiliary power supplies:	AC 24 V -15% ... AC 230 V +15% DC 24 V -25% ... DC 110 V +15%