

Features:

- braking device as a printed circuit board version
- DC braking with fully controlled bridge circuit up to 60A
- a structure without mechanical switching elements in power circuit
- integrated standstill detection
- monitoring of stopping time
- suitable for all asynchronous motors
- suitable for IE1, IE2 and IE3 motors
- self-optimizing braking
- CANopen on board
- push-in power and control terminals
- TÜV certified
- meets trade assoc. requirements for PL = c / SIL1, acc. to EN ISO 13849-1:2016-06 / EN 61508-1:2011-02



Braking device
VB S LP [60A]

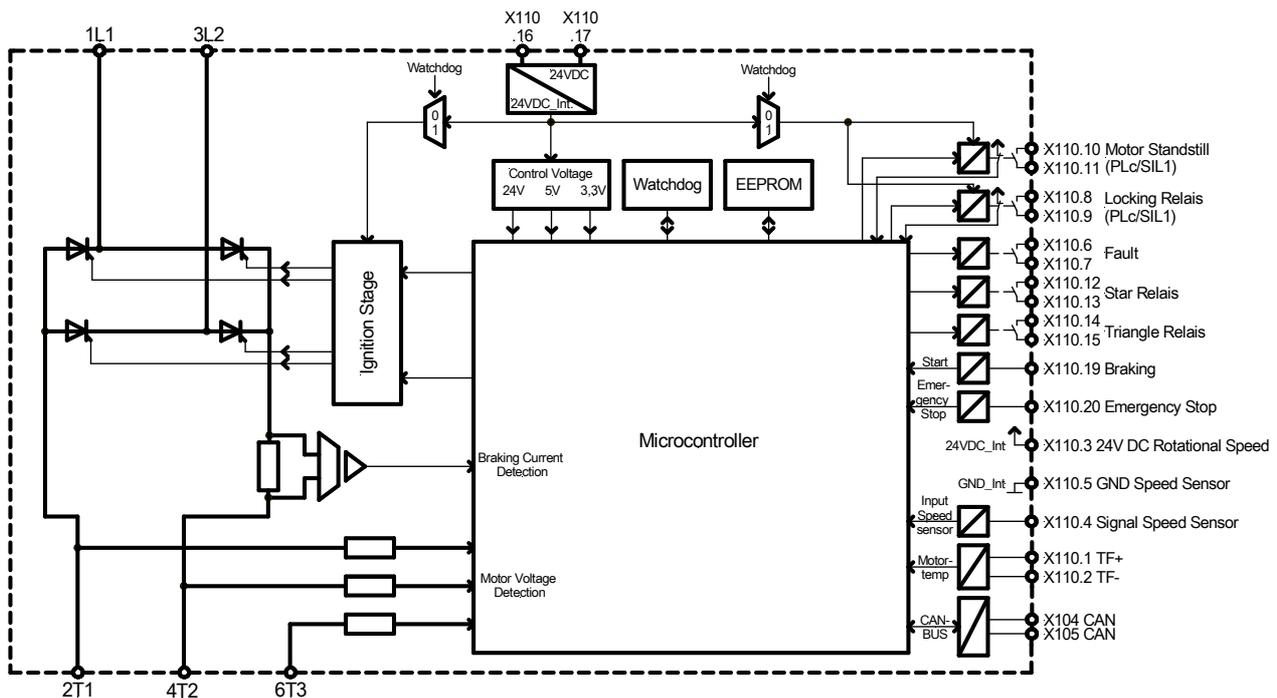


Functions:

- parameterization via CAN-Bus
- potential-free control inputs and outputs
- motor temperature monitoring (switch, PTC, KTY, PT100)
- emergency stop function
- device protection
- tool speed monitoring (external speed sensor required)
- safety-related motor standstill relay (safety door interlock)
- safety-related locking relay
- fault relay
- star-delta starting control

Typical Applications:

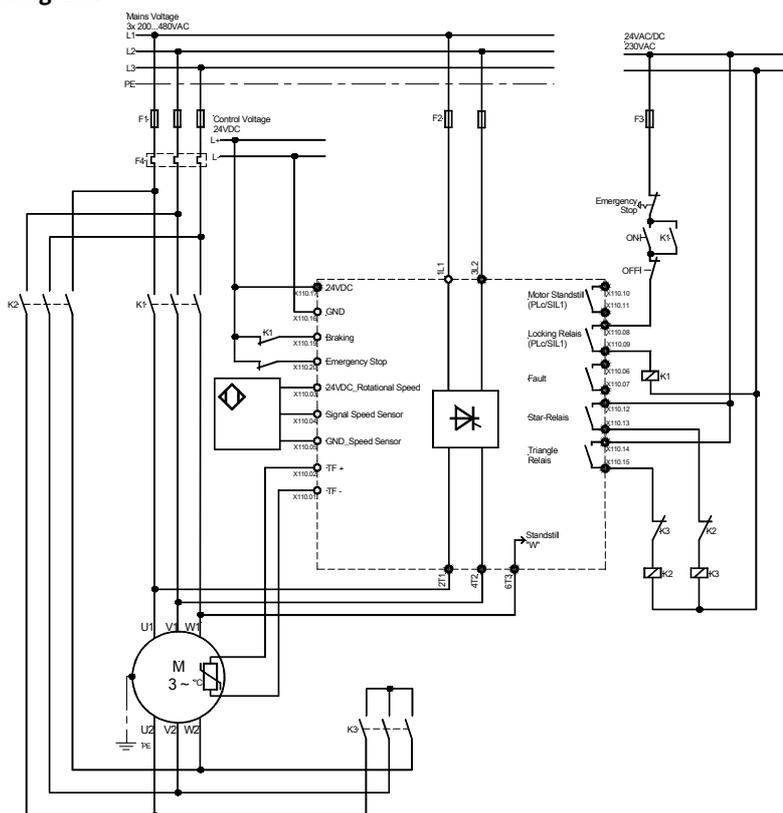
- security doors
- vibration sifters
- wood working machines (milling/planing machines)
- grinding machines
- mixer, et cetera



Subject to change without notice.

type designation	Versibrake Safe LP 480-60 Plc
order number	2B600.48060
device rated current I _e	60A
rated operational voltage U _e	200...480VAC ±10% 50/60Hz
control supply voltage U _s	24VDC ±10% / 1,0A
motor rating at U _e 400V	4,0 ... 15kW
switching per hour at t _{an} /t _{br} = 10s with I _{Max} (device) 60A RMS	20
utilization category	AC-53b 1-10:170
max. power dissipation - during operation max. start frequency - standby	approx. 25W approx. 8W
I ² t(125°) (A ² s) - thyristors	1800
braking time	self-optimizing (Default 8s)
restart time	200ms
control voltage U _c	24VDC ±10%
input resistance control inputs	5kOhm
contact rating of relay outputs	3A / 250VAC / 30VDC
installation class	3
overvoltage category / degree of pollution: control and auxilliary circuit main circuit	II / 2 III (TT / TN / TI-Netze) / 2
rated impulse withstand voltage U _{imp} : control and auxilliary circuit main circuit	2,5kV 4kV
rated insulation voltage U _i : control and auxilliary circuit main circuit	24V 480V
max. cross-sectional area for connection solid/flexible: control terminals control terminal with ferrule power terminals	0,2 - 1,5mm ² / 0,2 - 1,5mm ² 0,25- 0,75mm ² / 0,25- 0,75mm ² 0,2...6mm ² / 0,2...6mm ²
dimensions (WxHxD)	130x140x65
weight	505g

Connection Diagram:



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