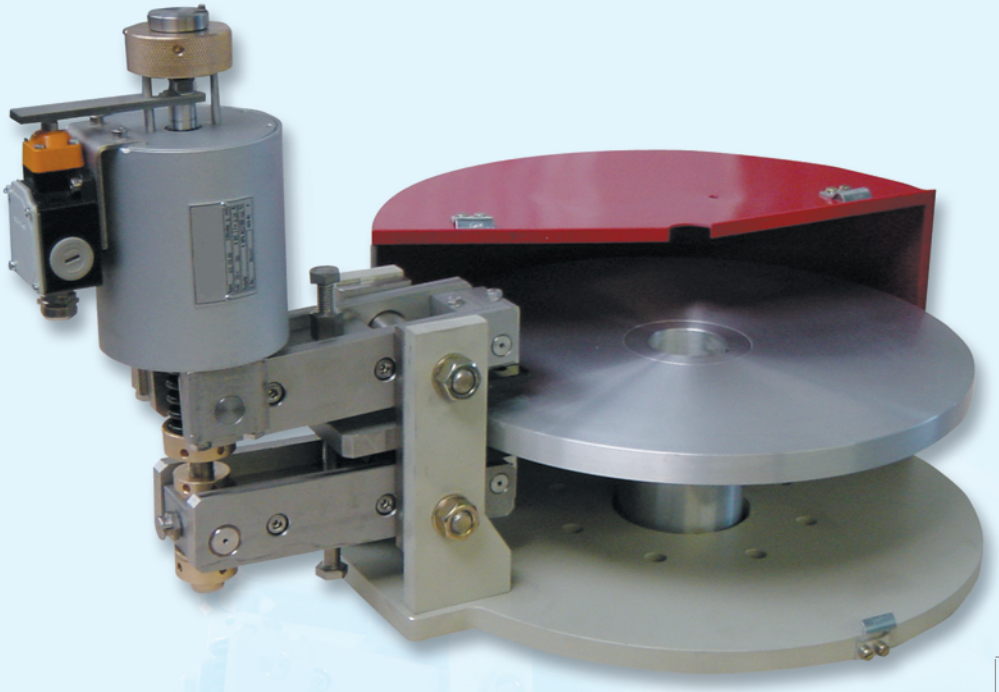
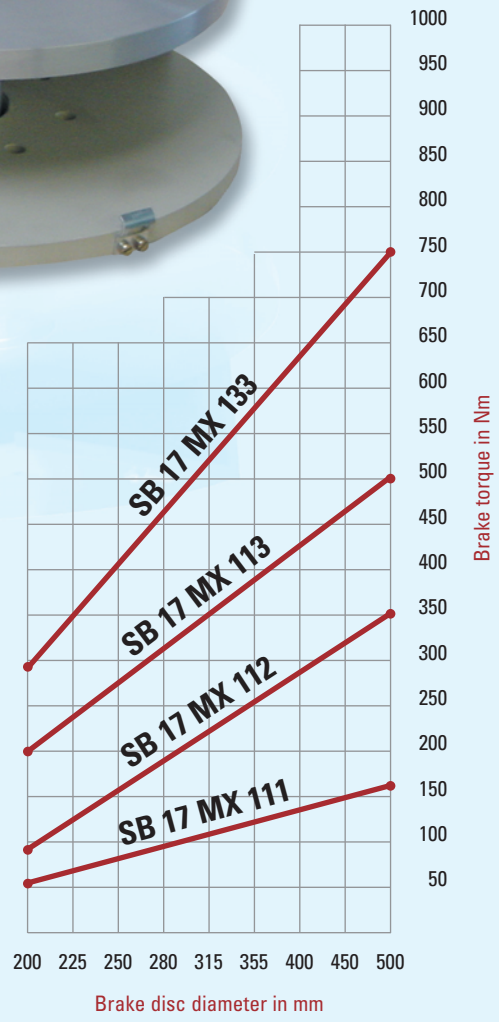




PINTSCH BUBENZER
is certified according to
DIN EN ISO 9001:2000

Reliable

High Performance

Low Maintenance

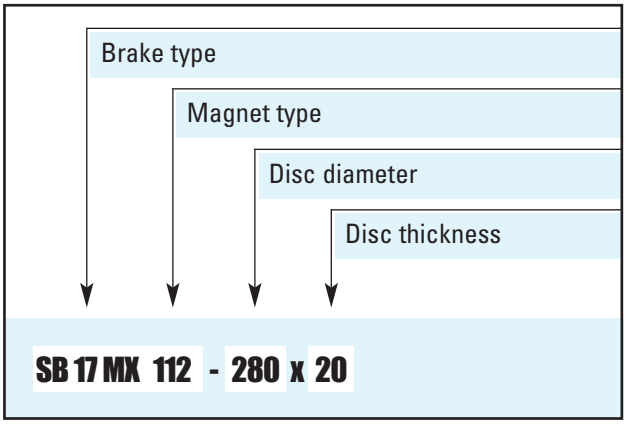
Compact

Description SB 17 MX

Main Features

- Electromagnetic release
- High performance by overforcing of electromagnet (magnet IP54)
- Internal rectifier / economizer unit, direct connection to 380-480 V AC, 3 Ph., 50-60 Hz
- Adjustable brake torque
- Simple, manual wear compensation
- Organic, non-asbestos linings
- Manual release and limit switch release control as a standard
- Brake body complete of stainless steel

Ordering Example



Options

- Automatic wear compensator and self-centering unit
- Limit switch wear control
- Sintered linings
- Hydraulic damping unit for stepless adjustable apply time of 1-8 seconds
- Motor connection flange incl. protective cover
- Brake discs with hubs or couplings

Applications

- The capacity of these brakes makes them particularly suitable as service brakes e.g. on crane gantries, slew drives or smaller hoists.
- In combination with the hydraulic damping unit, a soft and smooth braking is possible.
- Very compact and easy to install as a motor mounted version

Magnets, Technical Data

Magnet Type	Inrush (W)	Holding (W)
111	100	100
112	360	100
113	360	100
133	360	100

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 therefore 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

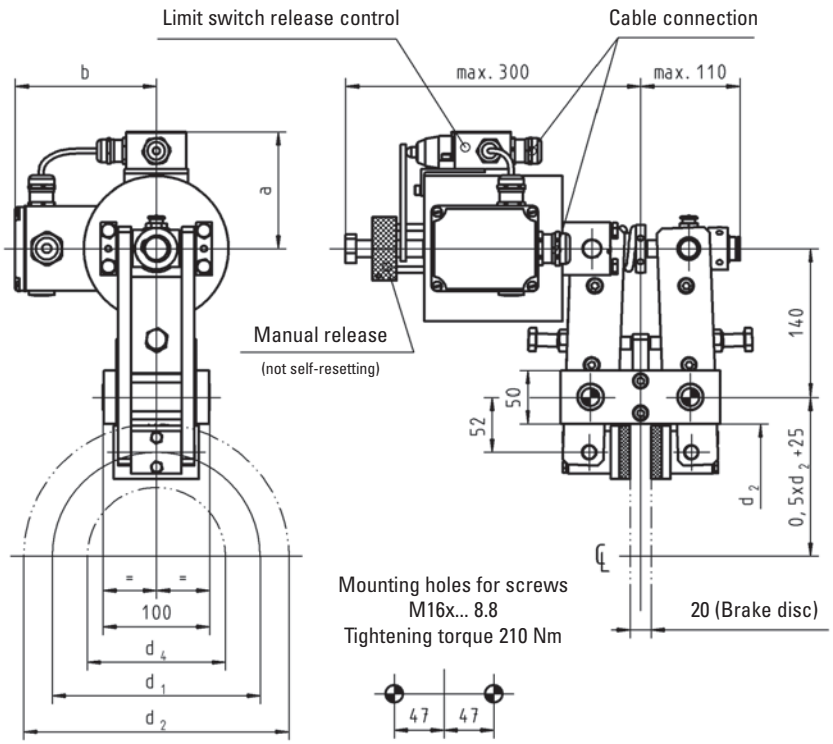
This includes the verification of the brake selection, if required. A detailed questionnaire is provided for this purpose. Installation and commissioning on site is possible by PINTSCH BUBENZER service engineers. Drawings as DWG/DXF files for your engineering department are available upon request.

Disc Brake SB 17 MX

Dimensions and technical data

PINTSCH BUBENZER

Rev. 12-06



Magnet dimensions				Lining
Type	a	b	Øc	b_2
111	105	120	114	40
112	105	120	114	40
113	105	120	114	50
133	115	133	137	50

*) Average friction factor of standard material combination

For crane brake lay-out use safety factors documented in the FEM 1.001, Section 1

All dimensions in mm
Alterations reserved without notice

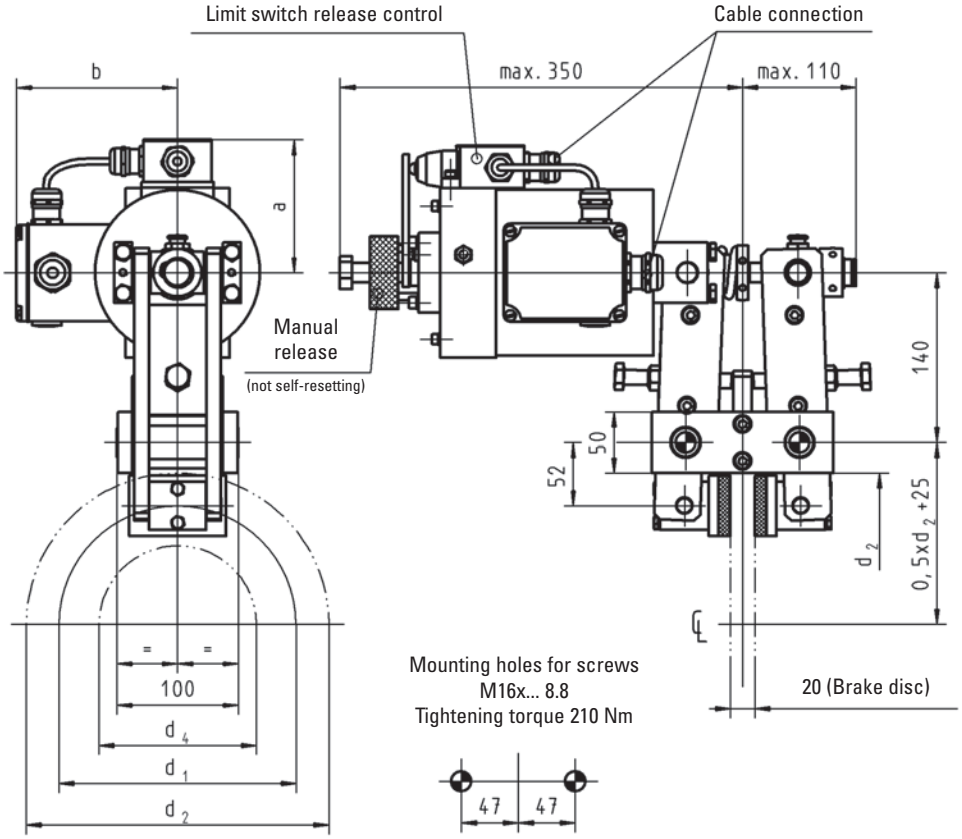
Weight: 24 kg max. incl. magnet		Magnet type	111	112	113	133
		Contact force in N	1100	2150	3150	4200
Disc Ø	Friction Ø	Hub Ø max.	Brake torque M_{Br} in Nm		Friction factor μ = 0,4*	
d_2	d_1	d_4				
200	146	80	60	130		
225	171	105	70	150		
250	196	130	85	170	250	
280	226	160	100	195	285	375
315	261	195	115	225	330	440
355	301	235			375	500
400	346	280			435	580
450	396	330				665
500	446	380				750

Disc Brake SB 17 MXs

with hydraulic damping unit – Dimensions and technical data

PINTSCH BUBENZER

Rev. 12-06



Magnet dimensions				Lining
Type	a	b	Øc	b_2
111	105	120	114	40
112	105	120	114	40
113	105	120	114	50
133	115	133	137	50

Apply time adjustable 1...8 seconds

*) Average friction factor of standard material combination

For crane brake lay-out use safety factors documented in the FEM 1.001, Section 1

All dimensions in mm
Alterations reserved without notice

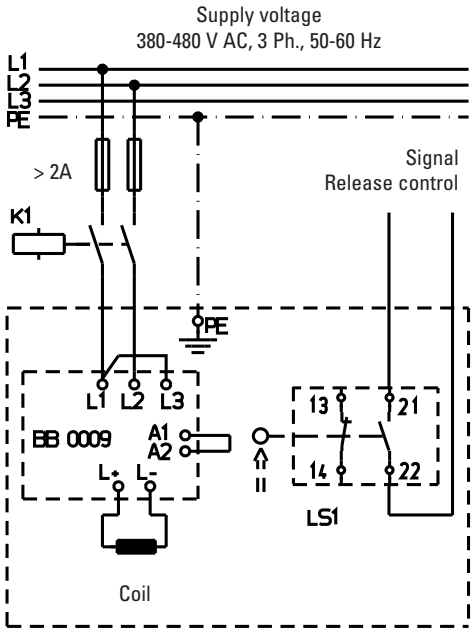
Weight: 26 kg max. incl. magnet		Magnet Type	112	113	133
		Contact force in N	1000	1500	3000
Disc Ø	Friction Ø	Hub Ø max.	Brake torque M_{Br} in Nm		Friction factor μ = 0,4*
d_2	d_1	d_4			
200	146	80	58		
225	171	105	68	102	
250	196	130	78	117	235
280	226	160	90	135	270
315	261	195	104	155	310
355	301	235		180	360
400	346	280		207	415
450	396	330			475
500	446	380			535

Disc Brake SB 17 MX

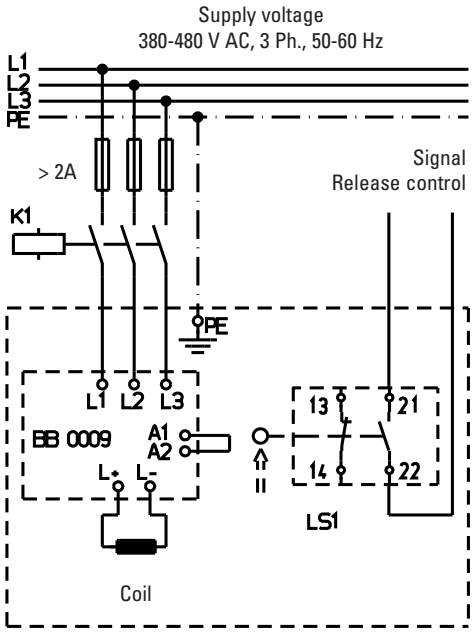
Connecting diagram internal rectifier/economizer

PINTSCH BUBENZER

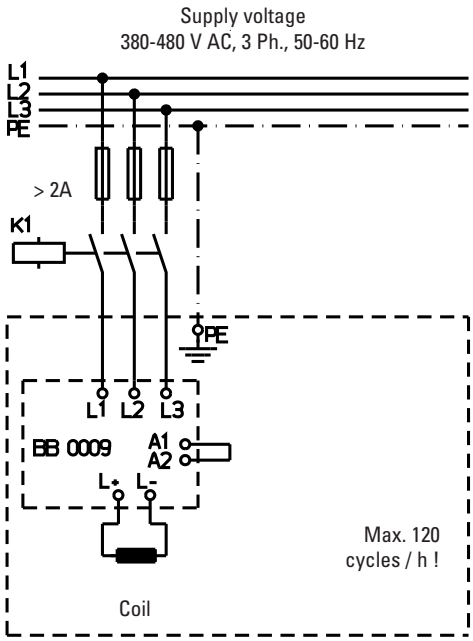
Rev. 12-06



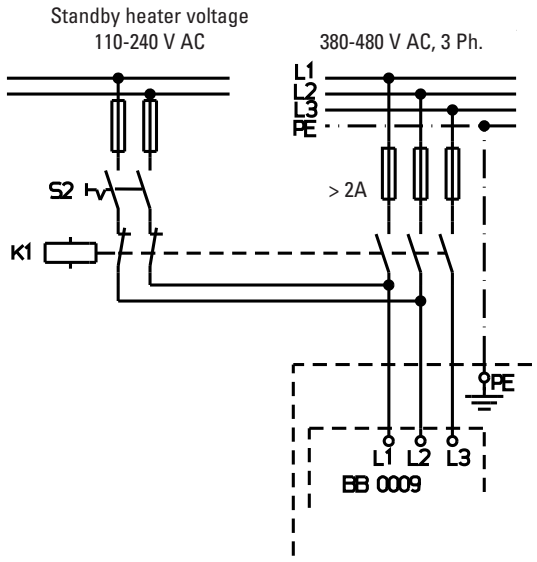
SB 17 MX 111



SB 17 MX 112/113/133



SB 17 MX without limit switch release control



Standby heater function

Alterations reserved without notice

Supply voltage	Coil voltage
380-415 V AC	180 V DC
440-480 V AC	205 V DC

PINTSCH BUBENZER scope of supply:
SB 17 MX, coil
Rectifier / economizer BB0009 (built-in)
Limit switch LS1

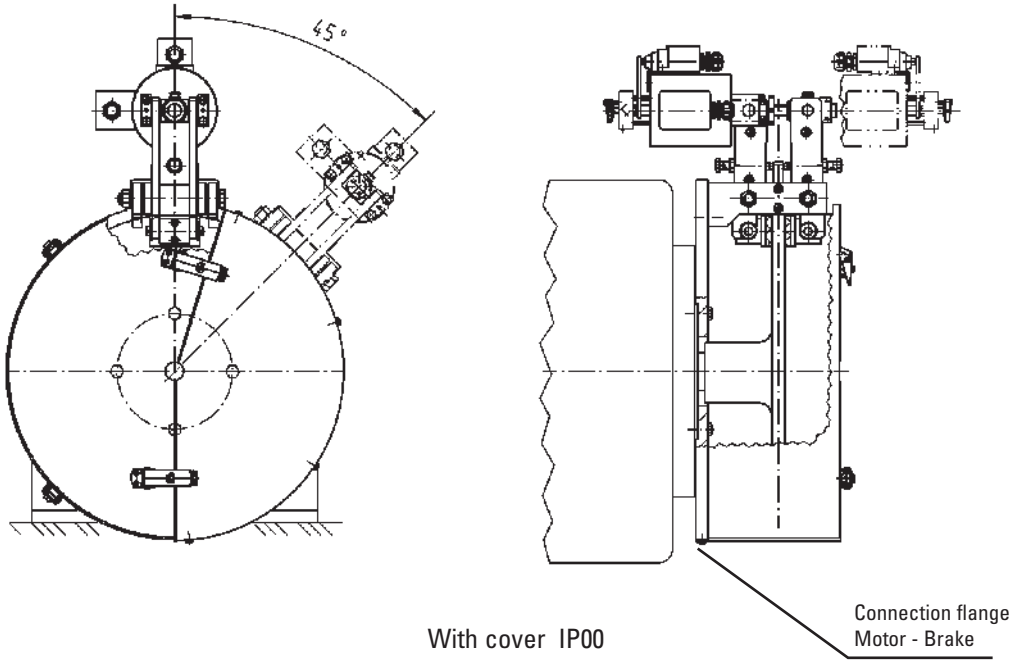
Disc Brake SB 17 MX

Installation example, motor mounted version

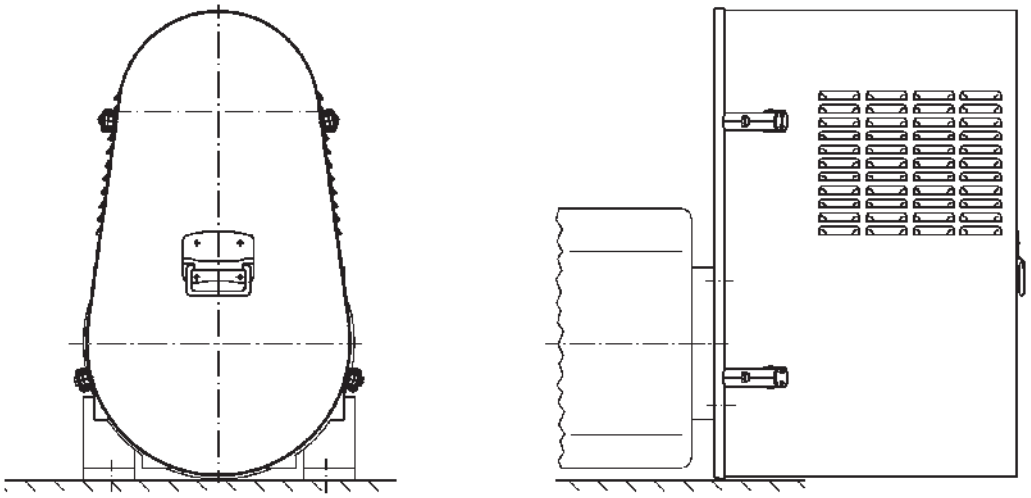
PINTSCH BUBENZER

Rev. 12-06

Brake mountable in each 45° steps



With cover IP00



With cover IP22

Please indicate motor type in case of order