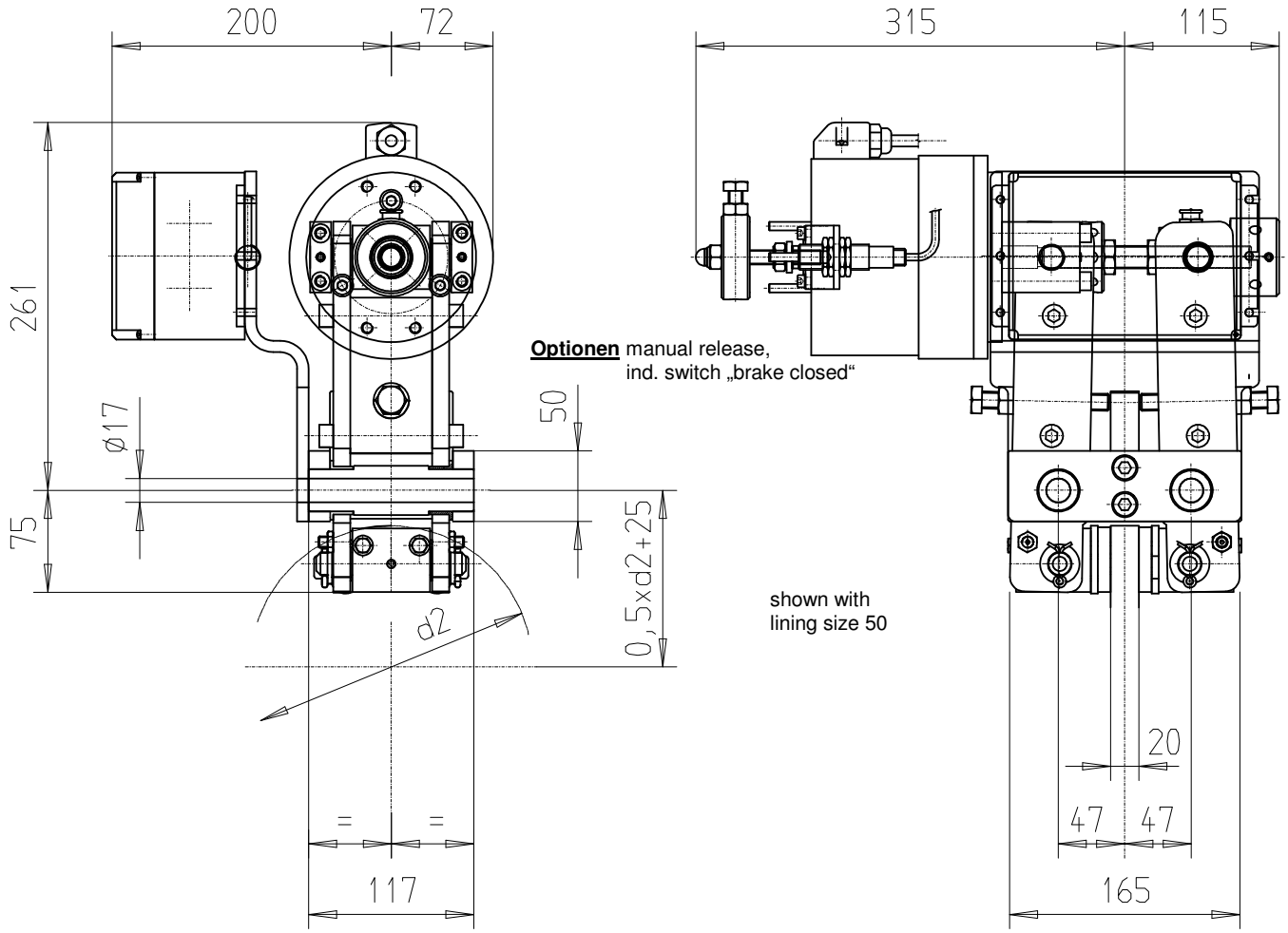
CB5-M, solenoid released



Optionen manual release,
ind. switch „brake closed“

Max. Brake Torque in Nm (µ=0,4) on disc-Ø d2									
Brake Type	**Ø200**	**Ø225**	**Ø250**	**Ø280**	**Ø315**	**Ø355**	**Ø400**	**Ø450**	**Ø500**
friction-Ø	Ø150	Ø175	Ø200	Ø230	Ø265	Ø305	Ø350	Ø400	Ø450
CB5-M2	145	170	190	220	250				
CB5-M4			375	440	500	580	665	760	855

Standard version of caliper brake CB5-M is using a dc-solenoid. Power supply to the solenoid must be connected via SCU which is part of our our scope. Input voltage for SCU is 230 V, 50 Hz. For further details on SCU please see reverse page.

B = disc thickness in mm, standard = 20
Ø d2 = outer disc diameter in mm
max. coupling diameter is d2-100 mm
linings: = organic, size 50 (suitable for max. circumferential speed v_{max}= 35m/sec.)
width of lining is 42 mm
weight: CB5-M2 = 23 kg
CB5-M4 = 27 kg

Mode of Operation

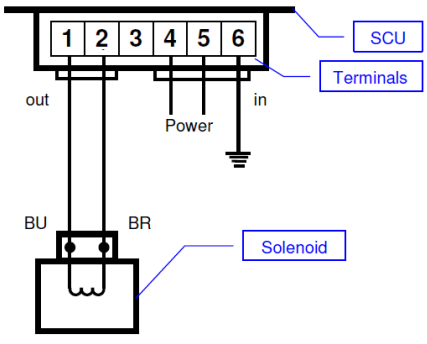
General Notes

When operating the solenoid series ZDZ via Solenoid Control Unit, SCU 4.10, the solenoid is working with a high voltage for approx. 1 sec., than, by means of SCU-integrated timer relay, the coil voltage is reduced to low level. In case of 230 V AC input voltage at the SCU, the coil voltage is 200 V DC at first, than reduced to 30 V DC. Thus the solenoid is generating sufficient force to overcome the air gap with high voltage and holding the brake in open position with low voltage.

Connecting at site

The supply voltage is connected to the SCU at its terminals ~ and PE using 1,5 mm² cross section conductors. For connecting the solenoid with the SCU via terminals 1, 2, 4, 5 conductors with a 2,5 mm² cross section are to be applied.

Solenoid Control Unit type	SCU 4.10	Connection Diagram
nominal Input voltage	230 V AC (50Hz or 60Hz)	SCU Solenoid Control Unit Connection
Input voltage range	+6/-10% (acc.DIN IEC38)	
output voltage	200 V DC	
protection class	IP 65	
for ambient temperature range	-20℃….+45℃	
for rel. humidity	90%	
housing dimensions l x w x h [mm]	188 x 119 x 94	
weight [kgs]	2,12 kg	
starting current	6,2 A	
holding current	0,8 A	



WARNING

⇒ The device must only be used for the described purposes.
⇒ Installation and commissioning must be carried-out by sufficient skilled staff.
⇒ All applicable standards and regulation must be kept, especially the DIN VDE.
⇒ Nominal voltage and current must not be increased.