

E510 VAR 00

Electro-Magnetic Single Disc Brake

Characteristics

- Electrically operated 24 or 103,5 VDC depending size
- Single friction face
- Activated by power on

Utilisation

- Braking or holding of a shaft

Particularities

- No Backlash
- For dry use
- No residual torque in disengaged position

Adjustments

- Airgap "P" should be adjusted at installation
- Does not require wear compensation

Maintenance Manual

- SM 315

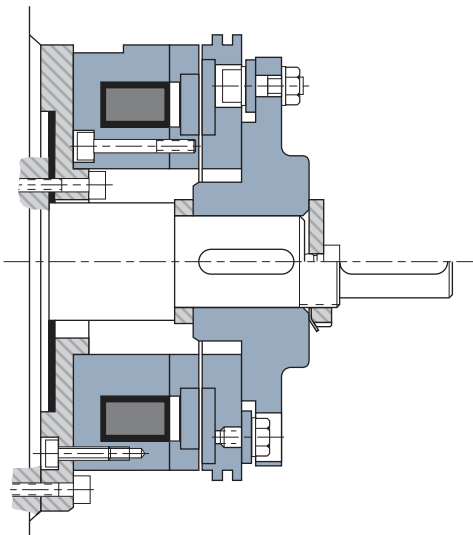
Mounting Precautions

- Device intended for horizontal or vertical use

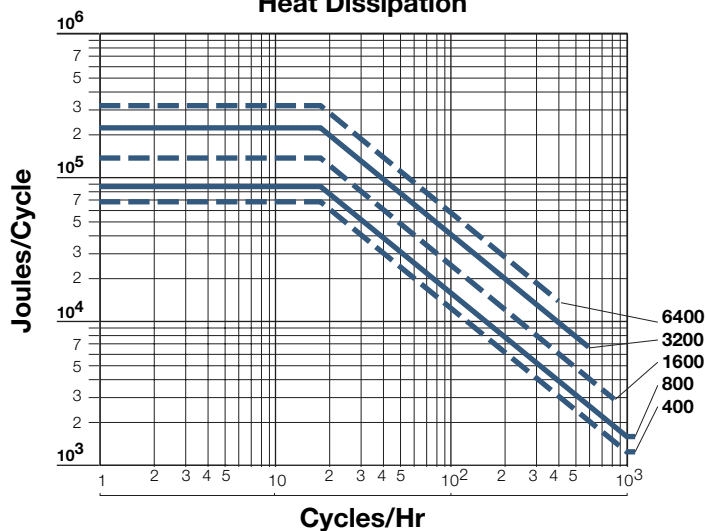
Power Supply

- For sizes until 1600 :
CBC 400-24, CBC 450-24
CBC 500-24, CBC 550-24
CBC 140-5 + CBC 140-T (24V)
- For size 3200 :
CBC 140-5 (103,5V)

Mounting Example

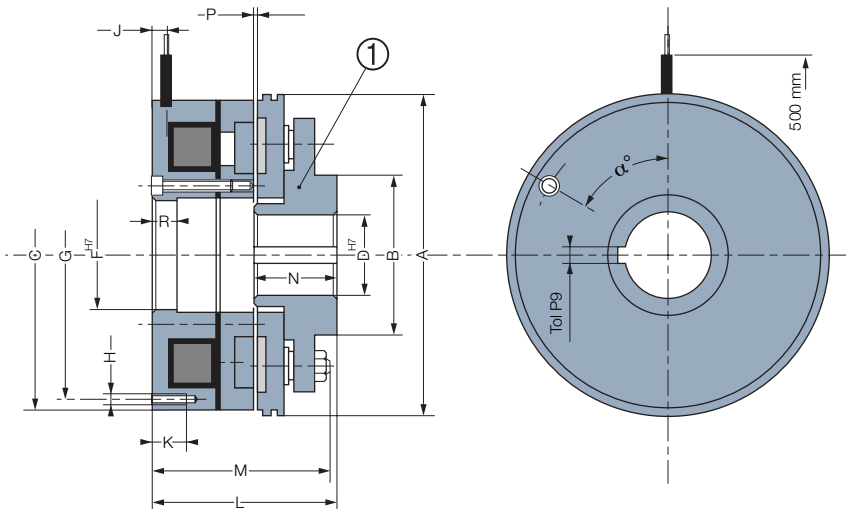


Heat Dissipation



Electro-Magnetic Single Disc Brake

Direct Drive

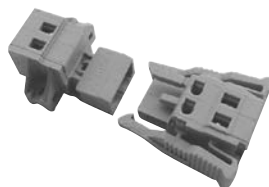


Sizes		400	800	1600	3200	6400
Nom. Torque	[Nm]	400	800	1600	3200	6400
Max. Speed	[min.]	2000	1700	1500	1500	1500
Voltage	[VDC]	24	24	24	103,5	103,5
Power	P20 [W]	29	36	59	89	121
	A	260	300	360	450	560
	B	100	120	140	175	230
	C	260	300	360	450	560
	D min	35	40	50	65	80
	D max	70	80	100	110	150
	E	-	-	-	-	-
	F	110	125	150	195	265
	G	225	265	320	400	500
	H	4xM8	4xM10	4xM12	6xM12	6xM16
	J	7	7	10	10	10
	K	20	20	25	25	30
	L	90	105	120	141	161
	M	95	110	128	146,5	166,5
	N	46	54	60	100	118
	P	0,5	0,6	0,8	0,8	1
	Q	-	-	-	-	-
	R	30	30	30	30	30
	α°	45°	45°	45°	30°	30°
Inertia	① [kgm ²]	0,0342	0,0736	0,2042	0,681	1,975
Weight	[kg]	18,1	30	51	105	190
Connection	Cable					

Connector Options

(Delivered without cable)

2 poles, capacity : 0,5/2,5mm²



Keyways according to
ISO/R 773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9