Brake Caliper MV 033 FEM

spring activated – electromagnetically released

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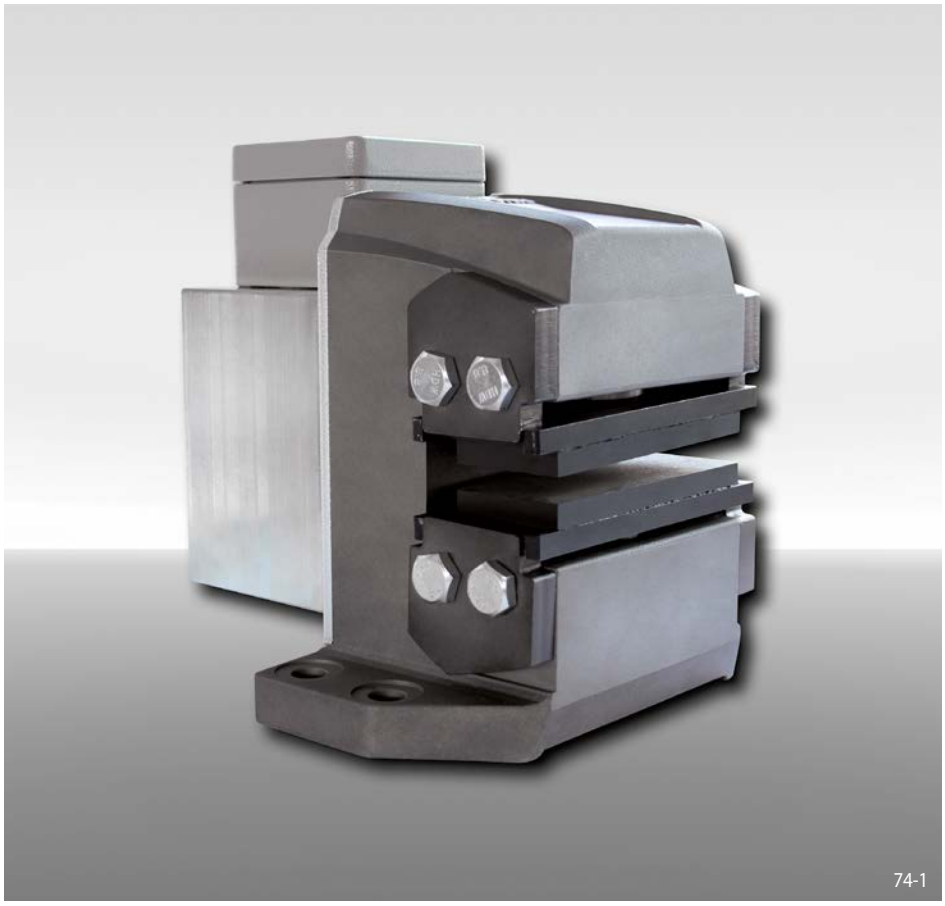

Features

Features	Code
Brake Caliper with electromagnet	M
Mounting on the machine parallel to the brake disc	V
Frame size 033	033
Spring activated	F
Electromagnetically released	E
Manual adjustment to accommodate friction block wear	M
Supply voltage 220 to 240 VAC Supply voltage 380 to 480 VAC	240 480
Electromagnet mounted in central position	M
Thickness of brake disc 12,5 mm or 25 mm	12 25

Example for ordering

Brake Caliper MV 033 FEM, supply voltage 400 VAC, electromagnet mounted in central position, thickness of brake disc 12,5 mm:

MV 033 FEM - 480 M - 12

Advantages

The brake caliper MV 033 FEM is a very compact and high efficient disc brake with very low power consumption. Its floating bearing compensates small misalignments of the brake disc. The enclosed and robust design enables use in difficult ambient conditions with frequent braking operations. The attached electronic reduces the power consumption in open position automatically.

Options

- Inductive proximity switch: "Brake released"-status and/or "Friction block wear adjustment necessary"
- Lever for manual and controlled opening of the brake
- Mounting compensation shims up to approx. 2 mm

Technical Data

	Brake Caliper MV 033 FEM with supply voltage	
	220 to 240 VAC	380 to 480 VAC
Brake disc diameter mm	Braking torque Nm	Braking torque Nm
300	1 200	
355	1 500	
430	1 800	
520	2 250	
630	2 800	
710	3 200	
900	4 100	
Clamping force	12 000 N	
Response time*	100 ms	
Power consumption in open position	20 W	25 W
Power when opening the brake (<0,2 s)	2 000 W	
Max. number of actuation	360/h	
Actuation frequency**	at least 8 seconds between 2 activations	
Weight	18 kg	

The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

* The response time is the duration from switching off the power supply to reaching 80% of the maximum clamping force (at Ta = 20 °C).

** Shorter actuation frequency on request

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