

Brake Caliper MV 022 FEM

spring activated – electromagnetically released



| Features | Code |
|--|----------|
| Brake Caliper with electromagnet | M |
| Mounting on the machine parallel to the brake disc | V |
| Frame size 022 | 022 |
| Spring activated | F |
| Electromagnetically released | E |
| Manual adjustment to accommodate friction block wear | M |
| Supply voltage 220 to 240 VAC | 240 |
| Supply voltage 380 to 480 VAC | 480 |
| Electromagnet mounted in central position | M |
| Thickness of brake disc 12,5 mm or 20 mm | 12 20 |

Example for ordering

Brake Caliper MV 022 FEM, supply voltage 400 VAC, electromagnet mounted in central position, thickness of brake disc 12,5 mm:

MV 022 FEM - 480 M - 12

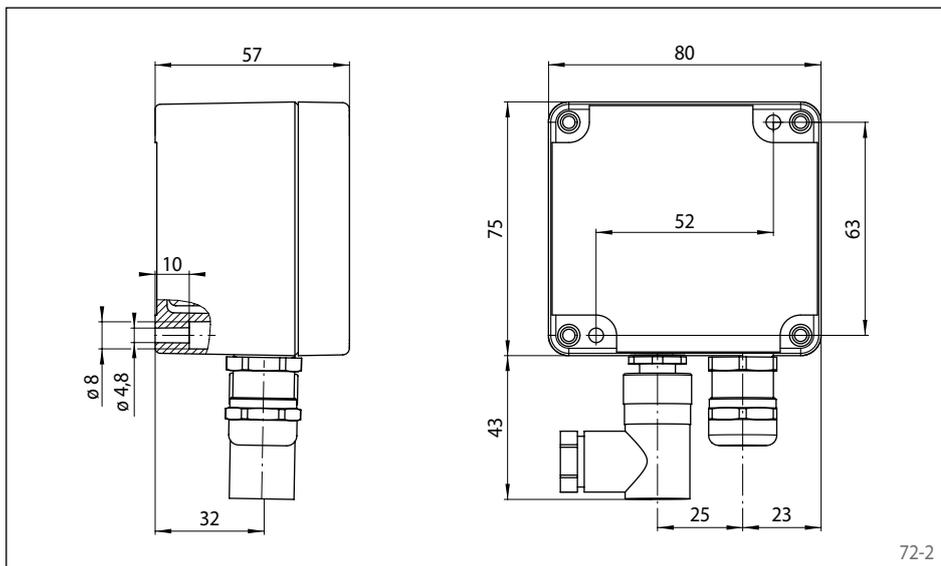
Advantages

The brake caliper MV 022 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

Electronic module



Technical Data

| | Brake Caliper MV 022 FEM with supply voltage | |
|---------------------------------------|--|----------------|
| | 220 to 240 VAC | 380 to 480 VAC |
| Brake disc diameter mm | | |
| 200 | 250 | |
| 250 | 320 | |
| 300 | 400 | |
| 355 | 480 | |
| 430 | 600 | |
| 520 | 740 | |
| 630 | 900 | |
| 710 | 1000 | |
| 900 | 1300 | |
| Clamping force | 3800 N | |
| Response time* | 80 ms | |
| Power consumption in open position | 20 W | 25 W |
| Power when opening the brake (<0,2 s) | 1800 W | |
| Max. number of actuation | 360/h | |
| Actuation frequency** | at least 8 seconds between 2 activations | |
| Weight | 8 kg | |

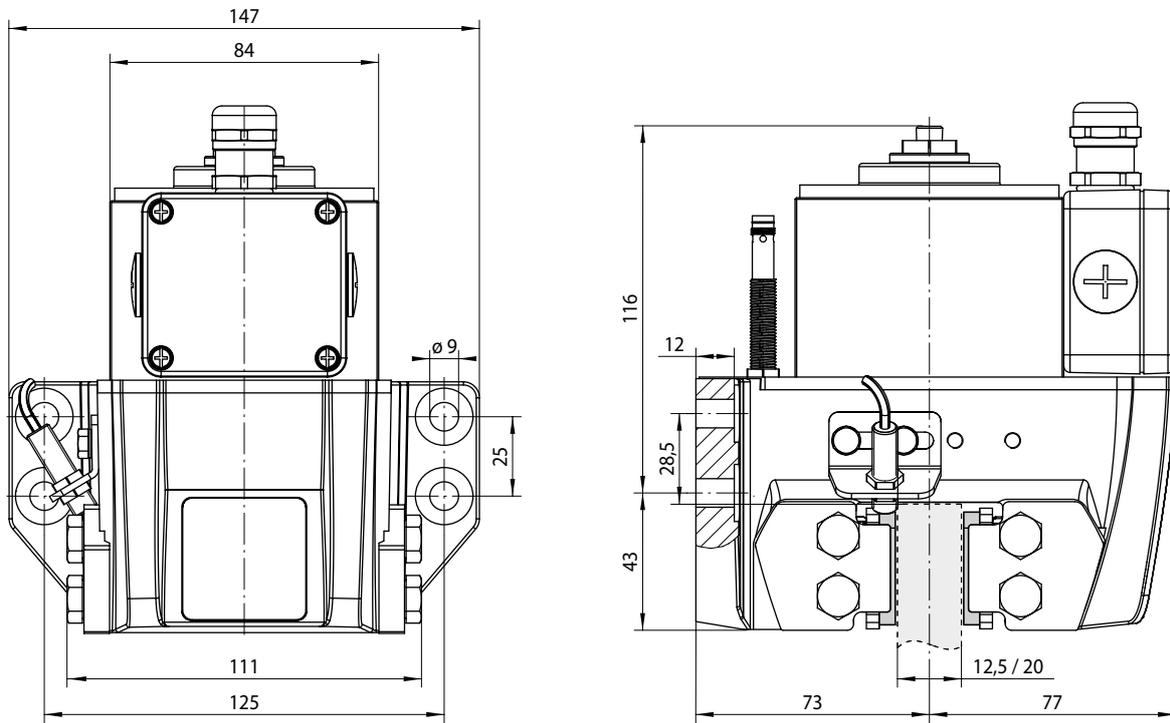
The braking torques shown in the diagram are based on a theoretical friction coefficient of 0,4.

* 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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