

# Brake Calipers EV 018 EFM and EH 018 EFM

electromagnetically activated – spring released



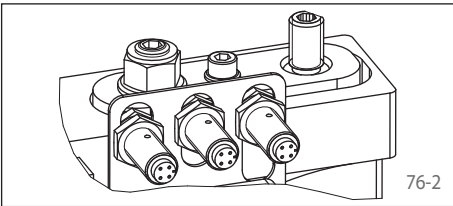
76-1

### Advantages

The brake caliper EV 018 EFM or EH 018 EFM 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 separate electronic module (included) reduces automatically the power consumption in closed position to 10 W.

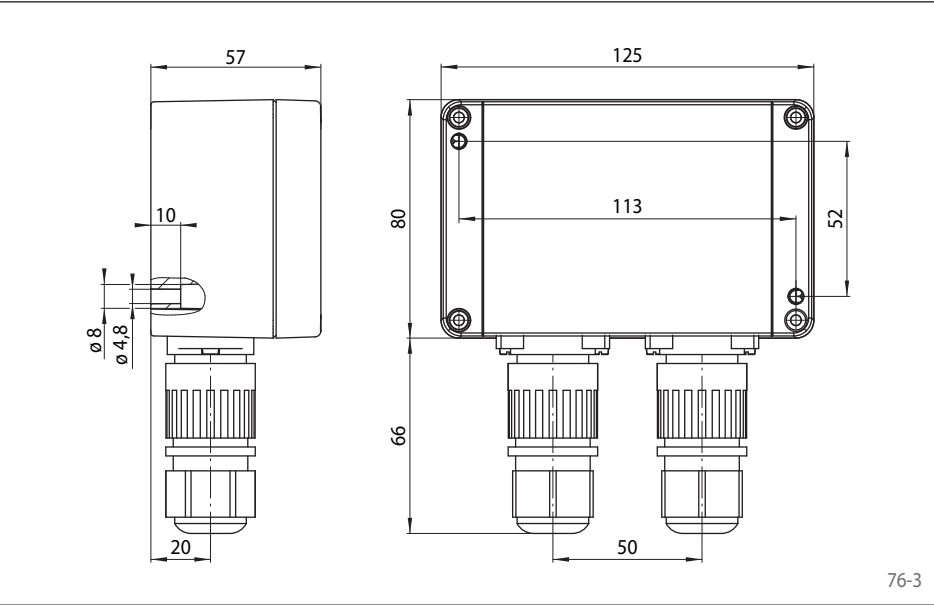
### Options

- Inductive proximity switch: "Brake released"-, "Brake closed"-status and/or "Friction block wear adjustment necessary"



76-2

### Electronic module



76-3

| Features                                                                  | Code     |
|---------------------------------------------------------------------------|----------|
| Brake Caliper with electromagnet                                          | E        |
| Mounting to the machine parallel or at right angles to the brake disc     | V<br>H   |
| Frame size 018                                                            | 018      |
| Electromagnetically activated                                             | E        |
| Spring released                                                           | F        |
| Manual adjustment to accommodate friction block wear                      | M        |
| Supply voltage 230 to 415 VAC, supply frequency 50 Hz or 60 Hz adjustable | 400      |
| Electromagnet mounted in central position                                 | M        |
| Thickness of brake disc 8 ... 15 mm or 16 ... 20 mm                       | 12<br>20 |

### Example for ordering

Brake Caliper EV 018 EFM, supply voltage 400 VAC, electromagnet mounted in central position, thickness of brake disc 15 mm:

EV 018 EFM - 400 M - 12

### Technical Data

| Brake Calipers<br>EV 018 EFM and EH 018 EFM<br>with supply voltage |                                                          |                 |
|--------------------------------------------------------------------|----------------------------------------------------------|-----------------|
|                                                                    | 230/240 VAC                                              | 380/400/415 VAC |
| Brake disc diameter                                                | Braking torque                                           | Braking torque  |
| mm                                                                 | Nm                                                       | Nm              |
| 125                                                                | 60                                                       | 95              |
| 150                                                                | 75                                                       | 125             |
| 200                                                                | 110                                                      | 185             |
| 250                                                                | 150                                                      | 245             |
| 300                                                                | 180                                                      | 305             |
| 355                                                                | 220                                                      | 370             |
| Clamping force                                                     | 1800 N                                                   | 3000 N          |
| Clamping force or braking torque adjustable                        | 70 - 100%                                                | 50 - 100%       |
| Power consumption in closed position                               | 10 W<br>(100% duty factor)                               |                 |
| Fuse rating                                                        | 10A, "B"                                                 |                 |
| Switching frequency                                                | 240/h permanent activations at 20° C ambient temperature |                 |
| Switching time*                                                    | at least 10 seconds                                      |                 |
| Weight                                                             | 6,5 kg                                                   |                 |

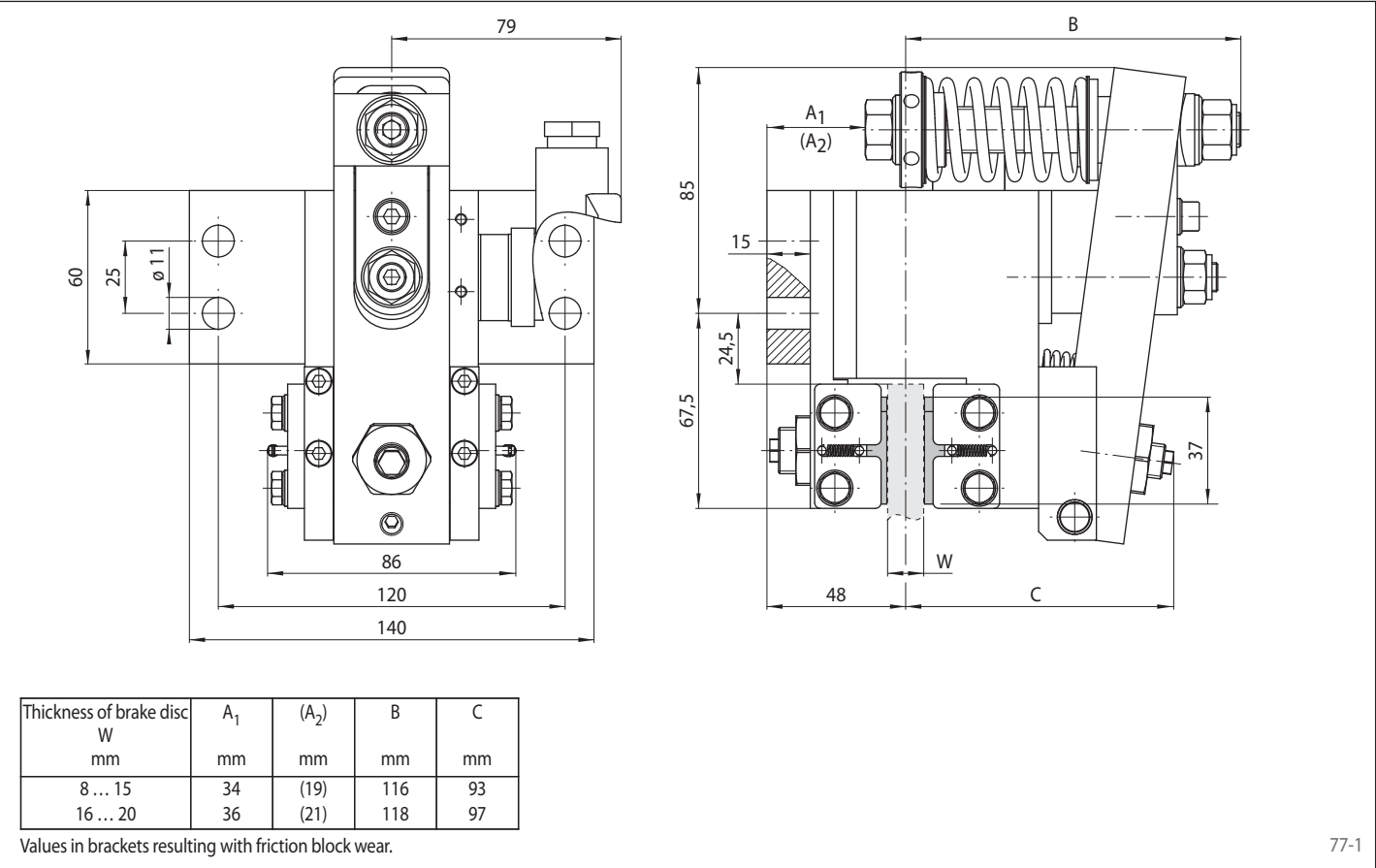
The braking torques shown in the table are based on a theoretical friction coefficient of 0,4.  
\* shorter switching time on request

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## Brake Caliper EV 018 EFM



## Brake Caliper EH 018 EFM

