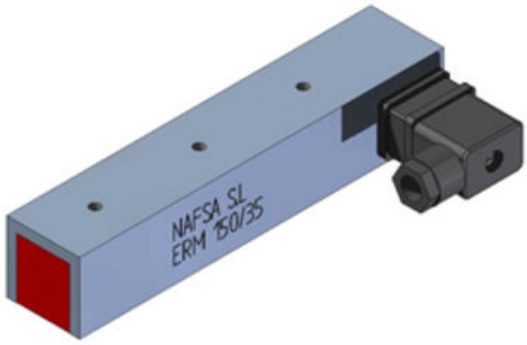
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# NAFSA - ERM SERIES

ERM150/60




- Rectangular holding magnet
- Class B winding (130ºC)
- 100% duty cycle
- Up to 7450N force
- Customer specific version available

### PRODUCT DESCRIPTION

The ERM series holds when a voltage is applied

When the voltage is removed, the holding force is released.

Please ensure safe operating conditions are met when using this type of holding electromagnet

# TECHNICAL DATA

| | |
|---|---|
| **Duty cycle** | 100 % |
| **Insulation class** | B (130ºC) |
| **IP class** | IP65 |
| **Power** | 25 W |
| **Total weight** | 2300 g |
| **Voltage dc max** | 24 V |

| TYPE | P at 20ºC (W) | e (mm) | Airgap (mm) | | | | | Magnetic force Fm (N) |
|---|---|---|---|---|---|---|---|---|
| | | | 0 | 0,1 | 0,2 | 0,5 | 1 | |
| ERM100/35 | 10 | 1<br>3<br>6<br>10 | 32<br>396<br>604<br>752 | 22<br>308<br>320<br>468 | 12<br>120<br>190<br>238 | 8<br>45<br>52<br>60 | 6<br>8<br>12<br>18 | |
| ERM150/35 | 14 | 1<br>3<br>6<br>10 | 65<br>769<br>1090<br>1450 | 50<br>580<br>657<br>904 | 30<br>220<br>368<br>490 | 21<br>82<br>90<br>116 | 14<br>17<br>21<br>35 | |
| ERM200/35 | 18 | 1<br>3<br>6<br>10 | 80<br>928<br>1400<br>1758 | 60<br>720<br>810<br>1108 | 42<br>260<br>460<br>690 | 28<br>94<br>121<br>136 | 14<br>20<br>27<br>46 | |
| ERM400/35 | 30 | 1<br>3<br>6<br>10 | 172<br>2100<br>3060<br>3810 | 131<br>1460<br>1722<br>2371 | 91<br>537<br>962<br>1297 | 60<br>210<br>263<br>304 | 35<br>45<br>60<br>93 | |
| ERM500/35 | 45 | 1<br>3<br>6<br>10 | 210<br>2323<br>3540<br>4423 | 150<br>1806<br>2100<br>2745 | 100<br>674<br>1114<br>1501 | 60<br>234<br>295<br>330 | 36<br>56<br>70<br>117 | |
| ERM600/35 | 53 | 1<br>3<br>6<br>10 | 226<br>2653<br>4053<br>5026 | 173<br>2053<br>2266<br>3120 | 90<br>706<br>1286<br>1806 | 66<br>266<br>346<br>400 | 40<br>66<br>80<br>120 | |
| ERM150/60 | 25 | 1<br>3<br>6<br>10 | 140<br>780<br>1800<br>1900 | 112<br>680<br>1490<br>1500 | 102<br>600<br>1100<br>1250 | 75<br>445<br>610<br>650 | 50<br>180<br>200<br>210 | |
| ERM200/60 | 40 | 1<br>3<br>6<br>10 | 205<br>1130<br>2550<br>2760 | 165<br>990<br>2160<br>2300 | 155<br>890<br>1800<br>1870 | 116<br>680<br>884<br>900 | 72<br>250<br>280<br>300 | |
| ERM500/60 | 75 | 1<br>3<br>6<br>10 | 553<br>3150<br>7250<br>7450 | 440<br>2630<br>5870<br>5950 | 397<br>2320<br>4650<br>4820 | 310<br>1800<br>2380<br>2410 | 190<br>780<br>850<br>910 | |

| TYPE | A | B | C | D | E | F | H | Nº of holes | Compresion gland | Weight(kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| ERM100/35 | 125 | | | | | 10 | | 2 | | 0.9 |
| ERM150/35 | 175 | | | | | 10 | | 3 | | 1 |
| ERM200/35 | 225 | | | | | 10 | | 4 | | 1.5 |
| ERM400/35 | 425 | 35±0.3 | 34±0.1 | 25 | 50 | 12 | M-6 | 8 | PG-9 | 2.8 |
| ERM500/35 | 525 | | | | | 12 | | 10 | | 3.5 |
| ERM600/35 | 625 | | | | | 12 | | 12 | | 4.5 |
| ERM150/60 | 180 | | | 40 | 70 | | | 2 | | 2.3 |
| ERM200/60 | 230 | 60±0.1 | 49.5±0.2 | 40 | 120 | 12 | M-8 | 2 | PG-11 | 3 |
| ERM500/60 | 530 | | | 70 | 120 | | | 4 | | 7.8 |

