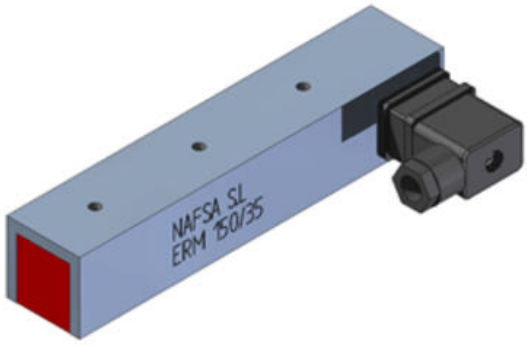
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# NAFSA - ERM SERIES

ERM500/60




- 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** | 75 W |
| **Total weight** | 7800 g |
| **Voltage dc max** | 24 V |

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

Magnetic force Fm (N)

| 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 |

