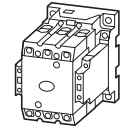
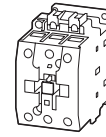
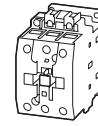
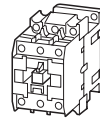
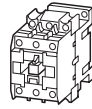


DIL Contactors

Technical Overview

DIL M Contactors 3-pole



| | DIL | EEM | EM | 00 M | 00 AM | 0 M | 0 AM | 1 M | 1 AM | 2 M | 2 AM | 3M 80 |
|------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Basic devices | Page | 03/009 | 03/009 | 03/011 | 03/011 | 03/011 | 03/011 | 03/011 | 03/011 | 03/011 | 03/011 | 03/013 |
| Complete devices | Page | – | – | 03/014 | 03/014 | 03/014 | 03/014 | 03/014 | 03/014 | 03/014 | 03/014 | 03/016 |

UL/CSA

| | HP | HP | HP | HP | HP | HP | HP | HP | HP | HP | HP | HP |
|---|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|----|
| Max. single-phase motor rating 50 – 60 Hz | | | | | | | | | | | | |
| 115 V | ¼ | ½ | ½ | 1 | 2 | 2 | 3 | 3 | 3 | 5 | 7 ½ | |
| 200 V | ¾ | 1 | 1 | 2 | 2 | 3 | 5 | 5 | 7 ½ | 10 | 15 | |
| 230 V | 1 | 1 ½ | 1 ½ | 2 | 3 | 5 | 5 | 7 ½ | 10 | 15 | 15 | |
| Max. three-phase motor rating 50 – 60 Hz | | | | | | | | | | | | |
| 200 V | 1 ½ | 2 | 3 | 3 | 7 ½ | 7 ½ | 10 | 10 | 15 | 20 | 25 | |
| 230 V | 2 | 3 | 3 | 3 | 7 ½ | 10 | 10 | 15 | 20 | 25 | 30 | |
| 460 V | 3 | 5 | 5 | 7 ½ | 10 | 15 | 20 | 25 | 40 | 50 | 60 | |
| 575 V | 3 | 5 | 7 ½ | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 75 | |
| General purpose continuous current I_{open} | | | | | | | | | | | | |
| | A | A | A | A | A | A | A | A | A | A | A | A |
| | 15 | 15 | 20 | 20 | 35 | 35 | 55 | 55 | 90 | 90 | 100 | |

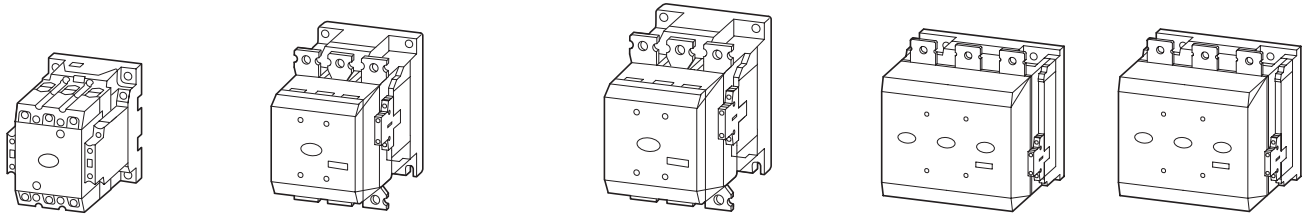
IEC / EN 60 947

| | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
|---|-----|-----|-----|-----|------|------|------|------|------|------|------|----|
| AC-3 Max. three-phase motor rating 50 – 60 Hz | | | | | | | | | | | | |
| 220 V – 230 V | 1.5 | 2.2 | 2.2 | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | |
| 380 V – 400 V | 3 | 4 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | |
| 440 V | 3.3 | 4.6 | 4.6 | 6.4 | 8.4 | 13 | 17 | 20 | 25 | 35 | 44 | |
| 500 V | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | |
| 660 V – 690 V | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | 55 | |
| 1000 V | – | – | – | – | – | – | – | – | – | – | 37 | |
| AC-4 Max. three-phase motor rating 50 – 60 Hz | | | | | | | | | | | | |
| 220 V – 230 V | 1.1 | 1.5 | 1.5 | 2.2 | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | |
| 380 V – 400 V | 2.2 | 3 | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | |
| 440 V | 2.4 | 3.3 | 3.3 | 4.4 | 6.2 | 8.4 | 12.5 | 17 | 20.3 | 25.3 | 35 | |
| 500 V | 2.2 | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | |
| 660 V – 690 V | 2.2 | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 45 | |
| 1000 V | – | – | – | – | – | – | – | – | – | – | 30 | |
| AC-1 Max. three -phase motor rating | | | | | | | | | | | | |
| 220 V – 230 V | 7 | 7 | 7 | 7 | 12.5 | 12.5 | 20 | 20 | 32 | 32 | 35 | |
| 380 V – 400 V | 13 | 13 | 13 | 13 | 22 | 22 | 35 | 35 | 56 | 56 | 62 | |
| 440 V | 15 | 15 | 15 | 15 | 25 | 25 | 40 | 40 | 65 | 65 | 72 | |
| 500 V | 16 | 16 | 16 | 16 | 29 | 29 | 45 | 45 | 74 | 74 | 82 | |
| 660 V – 690 V | 20 | 20 | 20 | 20 | 35 | 35 | 60 | 60 | 95 | 95 | 108 | |
| 1000 V | – | – | – | – | – | – | – | – | – | – | 82 | |
| Conventional free air thermal current $I_{th} = I_e$ open | | | | | | | | | | | | |
| | A | A | A | A | A | A | A | A | A | A | A | A |
| up to 690 V | 20 | 20 | 20 | 20 | 35 | 35 | 55 | 55 | 90 | 90 | 100 | |
| 1000 V | – | – | – | – | – | – | – | – | – | – | 100 | |

DIL Contactors
Technical Overview

UL / CSA / IEC / CE

Magnetic Contactors,
Magnetic Starters



| 4M 115 | M 185 | M 225 | M 250 | M 300 | M 400 | M 500 | M 580 | M 650 | M 750 | M 820 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 03/013 | - | - | - | - | - | - | - | - | - | - |
| 03/016 | 03/016 | 03/016 | 03/016 | 03/016 | 03/016 | 03/016 | 03/016 | 03/016 | 03/016 | 03/016 |
| HP | HP | HP | HP | HP | HP | HP | HP | HP | HP | HP |
| 10 | - | - | - | - | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - | - | - | - | - |
| 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 | 200 | 250 | 290 |
| 50 | 60 | 75 | 100 | 125 | 150 | 200 | 200 | 250 | 300 | 350 |
| 100 | 125 | 150 | 200 | 250 | 300 | 400 | 400 | 500 | 600 | 700 |
| 125 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 600 | 700 | 860 |
| A | A | A | A | A | A | A | A | A | A | A |
| 160 | 225 | 250 | 350 | 350 | 450 | 550 | 630 | 700 | 800 | 850 |
| kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 37 | 55 | 70 | 75 | 90 | 125 | 155 | 185 | 205 | 240 | 260 |
| 55 | 90 | 110 | 132 | 160 | 200 | 250 | 315 | 355 | 400 | 450 |
| 64 | 115 | 142 | 157 | 190 | 255 | 345 | 370 | 420 | 480 | 525 |
| 75 | 132 | 160 | 180 | 215 | 290 | 360 | 420 | 470 | 550 | 600 |
| 90 | 175 | 215 | 240 | 286 | 344 | 344 | 560 | 630 | 720 | 750 |
| 55 | 108 | 108 | 108 | 132 | 132 | 132 | 600 | 600 | 800 | 800 |
| 26 | 41 | 51 | 62 | 75 | 92 | 112 | 143 | 161 | 181 | 209 |
| 45 | 75 | 90 | 110 | 132 | 160 | 200 | 250 | 280 | 315 | 355 |
| 52 | 85 | 102 | 125 | 140 | 186 | 229 | 290 | 326 | 367 | 418 |
| 55 | 96 | 116 | 143 | 172 | 214 | 260 | 330 | 370 | 417 | 474 |
| 55 | 127 | 155 | 189 | 229 | 283 | 344 | 440 | 494 | 556 | 633 |
| 45 | 108 | 108 | 108 | 132 | 132 | 132 | 509 | 509 | 678 | 678 |
| 58 | 81 | 90 | 108 | 126 | 162 | 199 | 228 | 253 | 289 | 307 |
| 100 | 140 | 156 | 187 | 218 | 281 | 343 | 393 | 437 | 500 | 531 |
| 116 | 161 | 180 | 215 | 250 | 323 | 394 | 452 | 502 | 575 | 610 |
| 132 | 183 | 204 | 245 | 285 | 368 | 449 | 514 | 572 | 655 | 695 |
| 174 | 244 | 271 | 325 | 380 | 488 | 597 | 684 | 760 | 868 | 923 |
| 132 | 370 | 411 | 493 | 575 | 740 | 904 | 1036 | 1151 | 1316 | 1398 |
| A | A | A | A | A | A | A | A | A | A | A |
| 160 | 225 | 250 | 300 | 350 | 450 | 550 | 630 | 700 | 800 | 850 |
| 160 | 225 | 250 | 300 | 350 | 450 | 550 | 630 | 700 | 800 | 850 |