

HYUNDAI HiMC 4 Pole Magnetic Contactor

4 pole contactors are newly added to HYUNDAI HiMC magnetic contactor series and offer you more flexible solutions for control systems.

HiMC magnetic contactors satisfy the international standard IEC60947 and employ a modular design, which allows quick and simple mounting of auxiliary contact blocks, mechanical interlock units, timers, and other applications.



Ratings

| Model | | HiMC9F | HiMC12F | HiMC18F | HiMC22F | HiMC32F | HiMC40F | HiMC50F | HiMC65F | HiMC80F | HiMC90F | |
|-------------------------------|------------|------------------|------------|------------------|---------|---------|---------|---------|---------|---------|---------|-------|
| Rated insulation voltage [Ui] | V | AC750 | AC750 | AC750 | AC750 | AC750 | AC750 | AC750 | AC750 | AC1,000 | AC1,000 | |
| Rated operation voltage [Ue] | V | AC690 | AC690 | AC690 | AC690 | AC690 | AC690 | AC690 | AC690 | AC690 | AC690 | |
| Rated impulse voltage [Uimp] | kV | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| Rated current (AC-1) [Ith] | A | 20 | 20 | 25 | 32 | 50 | 50 | 70 | 100 | 110 | 135 | |
| AC-3 (Ie) | AC200-240V | kW/A | 2.2/9 | 3.5/13 | 4.5/18 | 5.5/22 | 7.5/32 | 11/40 | 15/50 | 18.5/70 | 22/80 | 25/90 |
| | AC380-440V | | 4/9 | 5.5/12 | 7.5/18 | 11/22 | 15/32 | 18.5/40 | 22/50 | 30/65 | 37/80 | 45/90 |
| | AC500-550V | | 4/7 | 7.5/12 | 8.5/15 | 15/20 | 18.5/28 | 22/32 | 30/43 | 37/60 | 45/70 | 50/80 |
| | AC660-690V | | 5.5/6 | 7.5/9 | 7.5/9 | 15/18 | 18.5/22 | 22/23 | 25/28 | 37/35 | 45/43 | 50/50 |
| Lifetime | Electrical | ×10,000 times | 250 | 250 | 250 | 250 | 200 | 200 | 200 | 200 | 200 | 200 |
| | Mechanical | | 2,500 | 2,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,000 | 1,000 |
| AC-4 (Ie) | AC200-240V | kW/A | 1.5/8 | 2.2/11 | 3.7/16 | 3.7/18 | 4.5/22 | 5.5/25 | 7.5/35 | 11/50 | 14/60 | 16/68 |
| | AC380-440V | | 2.2/6 | 4/9 | 4/11 | 5.5/13 | 7.5/17 | 11/24 | 15/32 | 22/47 | 27/56 | 32/64 |
| | Lifetime | | Electrical | ×10,000 times | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

Order information

| Code | Specification (AC-3, AC440V) | Unit | Category |
|------------------|----------------------------------------------------|------|----------|
| IMC9F 00NS X220 | 9A, 4kW, no auxiliary contact, 50Hz, AC220V | 50EA | MC C1 |
| IMC12F 00NS X220 | 12A, 5.5kW, no auxiliary contact, 50Hz, AC220V | 50EA | |
| IMC18F 00NS X220 | 18A, 7.5kW, no auxiliary contact, 50Hz, AC220V | 50EA | |
| IMC22F 00NS X220 | 22A, 11kW, no auxiliary contact, 50Hz, AC220V | 50EA | |
| IMC32F 00NS X220 | 32A, 15kW, no auxiliary contact, 50Hz, AC220V | 40EA | |
| IMC40F 00NS X220 | 40A, 18.5kW, no auxiliary contact, 50Hz, AC220V | 40EA | |
| IMC50F 00NS X220 | 50A, 22kW, no auxiliary contact, 50Hz, AC220V | 20EA | |
| IMC65F 22NS X220 | 65A, 30kW, 2NO+2NC auxiliary contact, 50Hz, AC220V | 9EA | |
| IMC80F 22NS X220 | 80A, 37kW, 2NO+2NC auxiliary contact, 50Hz, AC220V | 9EA | |
| IMC90F 22NS X220 | 90A, 45kW, 2NO+2NC auxiliary contact, 50Hz, AC220V | 9EA | |

Applicable coil voltage

| Current, Frequency | Code | Applicable coil voltage |
|-----------------------|----------|----------------------------|
| | AC, 50Hz | X |
| AC, 60Hz | A | AC24-600V |

※ Code application
- X220: 50Hz, AC220V coil
- A440: 60Hz, AC440V coil

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Accessories

| Item | Model | Order code | Specification | Application | Mounting | |
|---------------------------|-----------|------------|----------------|-------------|----------------------------|------------|
| Auxiliary contact block | HiAB40 | IAB 40NS | 4NO+0NC | HiMC9F-50F | Front of contactor | |
| | HiAB13 | IAB 13NS | 1NO+3NC | | | |
| | HiAB31 | IAB 31NS | 3NO+1NC | | | |
| | HiAB22 | IAB 22NS | 2NO+2NC | | | |
| | HiAB02 | IAB 02NS | 0NO+2NC | | | |
| | HiAB20 | IAB 20NS | 2NO+0NC | | | |
| | HiAB11 | IAB 11NS | 1NO+1NC | | | |
| | HiAL11 | IAL 11NR | 1NO+1NC | | | HiMC9F-22F |
| Mechanical interlock unit | HiTL | ITL40 | - | HiMC9F-40F | Between contactors | |
| | | ITL50F | | HiMC50F | | |
| | | ITL130 | | HiMC65F-90F | | |
| | | HLB2 F024 | | AC/DC24V | | HiMC9F-50F |
| HLB2 F110 | AC/DC110V | | | | | |
| HLB2 F220 | AC/DC220V | | | | | |
| Surge absorber | RC Unit | HRC | HRC40 Y048 | HiMC9F-40F | Coil terminal of contactor | |
| | | | HRC40 Y220 | | | AC220V |
| | | | HRC40 Y380 | | | AC380V |
| | | | HRC90 Y048 | | | AC48V |
| | | | HRC90 Y220 | | | AC220V |
| | | | HRC90 Y380 | | | AC380V |
| | | | Clamping diode | | | HOKYZX |
| Electronic timer | HOKZE | HOKZE1 | AC/DC90-240V | HiMC9F-50F | Front of contactor | |
| | | HOKZE2 | AC/DC24-60V | | | |

Dimensions

