

CR1F265M7

TeSys F magnetic latching contactor - 3P(3 NO) -
265 A - 220...230 V AC/DC coil



Main

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|--|---|
| Range | TeSys |
| Product name | TeSys F |
| Product or component type | Magnetic latching contactor |
| Device short name | CR1F |
| Device application | Control |
| Contactor application | Motor control Resistive load |
| Utilisation category | AC-1 AC-3 AC-4 |
| Poles description | 3P |
| Pole contact composition | 3 NO |
| [Ue] rated operational voltage | 1000 V AC 25...200 Hz |
| [Ie] rated operational current | 350 A (<= 40 °C) at <= 440 V AC AC-1 265 A (<= 40 °C) at <= 440 V AC AC-3 245 A (<= 40 °C) at <= 440 V AC AC-4 |
| Motor power kW | 132 kW 400 V AC 50/60 Hz AC-4 |
| Control circuit type | DC standard AC 50...400 Hz |
| [Uc] control circuit voltage | 220...230 V AC 50...400 Hz 220...230 V DC |
| Irms rated making capacity | 2940 A |
| Rated breaking capacity | 2450 A at 220...440 V 2200 A at 500 V 800 A at 1000 V 1700 A at 660/690 V |
| [Icw] rated short-time withstand current | 2200 A <= 40 °C 10 s 1230 A <= 40 °C 30 s 950 A <= 40 °C 1 min 620 A <= 40 °C 3 min 480 A <= 40 °C 10 min 2200 A <= 40 °C 1 s 2200 A <= 40 °C 5 s |
| Associated fuse rating | 315 aM at <= 440 V 400 aG at <= 440 V 400 A BS88 at <= 440 V |
| Average impedance | 0.32 mOhm at 50 Hz - Ith 350 A |
| [Ui] rated insulation voltage | 1500 V conforming to VDE 0110 group C 1000 V conforming to IEC 60158-1 1000 V conforming to IEC 60947-4 1000 V conforming to BS 775 |
| Power dissipation per pole | 22 W AC-3 39 W AC-1 |
| Connections - terminals | Lugs-ring terminals 1 cable(s) 240 mm ² Connector 1 cable(s) 240 mm ² Bars 2 x (32 x 4 mm) Power circuit : bolted connection |
| Tightening torque | 35 N.m |
| Operating time | 50...100 ms unlatching 40...75 ms latching |
| Mechanical durability | 1 Mcycles |
| Operating rate | 120 cyc/h at <= 40 °C |

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Complementary

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|--------------------------------|--|
| Control circuit voltage limits | 0.85...1.1 Uc latching 0.85...1.1 Uc unlatching |
| Average coil consumption | 1800 VA AC 50...400 Hz latching 1800 VA DC latching 12 VA AC 50...400 Hz unlatching 12 VA DC unlatching |

Environment

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| protective treatment | TC |
| ambient air temperature for operation | -15...70 °C |
| ambient air temperature for storage | -60...80 °C |
| operating altitude | 3000 m without derating in temperature |
| height | 203 mm |
| width | 201.5 mm |
| depth | 213 mm |
| product weight | 7.4 kg |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1028 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |