

# Product datasheet

Specifications



## Magnetic latching contactor, TeSys F, 3P(3NO), AC-3 $\leq 440V$ 265A, 220-230V DC coil

CR1F265M7

### Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic latching contactor
Device short name	CR1F
Device application	Control
Contactor application	Resistive load Motor control
Utilisation category	AC-4 AC-3 AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	265 A (at $<40^\circ C$ ) at $\leq 440 V$ AC AC-3 350 A (at $<40^\circ C$ ) at $\leq 440 V$ AC AC-1 245 A (at $<40^\circ C$ ) at $\leq 440 V$ AC AC-4
Motor power kW	132 kW at 400 V AC 50/60 Hz (AC-4)
Control circuit type	AC at 50...400 Hz DC standard
[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 $40^\circ C$ - 1 s 2200 A $40^\circ C$ - 5 s 2200 A $40^\circ C$ - 10 s 1230 A $40^\circ C$ - 30 s 950 A $40^\circ C$ - 1 min 620 A $40^\circ C$ - 3 min 480 A $40^\circ C$ - 10 min
Associated fuse rating	315 A aM at $\leq 440 V$ 400 A BS88 at $\leq 440 V$ 400 A gG at $\leq 440 V$
Average impedance	0.32 mOhm - Ith 350 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60158-1 1000 V conforming to IEC 60947-4 1000 V conforming to BS 775

<b>Power dissipation per pole</b>	22 W AC-3 39 W AC-1
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-4-1 JIS C8201-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
<b>Product certifications</b>	CB Scheme UL CSA EAC CE UKCA
<b>Connections - terminals</b>	Lugs-ring terminals 1 cable(s) 240 mm <sup>2</sup> Connector 1 cable(s) 240 mm <sup>2</sup> Bars 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: bolted connection
<b>Tightening torque</b>	35 N.m
<b>Operating time</b>	40...75 ms latching 50...100 ms unlatching
<b>Mechanical durability</b>	1 Mcycles
<b>Maximum operating rate</b>	120 cyc/h 40 °C

## Complementary

<b>Control circuit voltage limits</b>	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
<b>Average consumption</b>	1800 VA AC 50...400 Hz latching 12 VA AC 50...400 Hz unlatching 1800 VA DC latching 12 VA DC unlatching

## Environment

<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-15...70 °C
<b>Ambient air temperature for storage</b>	-60...80 °C
<b>Operating altitude</b>	3000 m without derating
<b>Height</b>	203 mm
<b>Width</b>	201.5 mm
<b>Depth</b>	213 mm
<b>Product weight</b>	7.4 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	24 cm
<b>Package 1 Width</b>	24 cm
<b>Package 1 Length</b>	28.5 cm
<b>Package 1 Weight</b>	7.932 kg
<b>Unit Type of Package 2</b>	P06
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	75 cm
<b>Package 2 Width</b>	80 cm

Package 2 Length	60 cm
Package 2 Weight	87.32 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

## Contractual warranty

Warranty	18 months
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## Recommended replacement(s)