Product data sheet Characteristics

LC1F265M7

TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 265 A - coil 220 V AC





Main

Range	TeSys	
Product name	TeSys F	
Product or component type	Contactor	
Device short name	LC1F	
Contactor application	Motor control Resistive load	
Utilisation category	AC-4 AC-1 AC-3	
Poles description	3P	
Pole contact composition	3 NO	
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC	
[le] rated operational current	350 A (at <40 °C) at <= 440 V AC AC-1 265 A (at <55 °C) at <= 440 V AC AC-3	
Motor power kW	132 KW at 380400 V AC 50/60 Hz (AC-3) 140 KW at 415 V AC 50/60 Hz (AC-3) 140 KW at 440 V AC 50/60 Hz (AC-3) 160 KW at 500 V AC 50/60 Hz (AC-3) 160 KW at 660690 V AC 50/60 Hz (AC-3) 147 KW at 1000 V AC 50/60 Hz (AC-3) 75 KW at 220230 V AC 50/60 Hz (AC-3) 51 KW at 400 V AC 50/60 Hz (AC-4)	
[Uc] control circuit voltage	220 V AC 40400 Hz	

Complementary

[Uimp] rated impulse withstand voltage	8 KV	
Overvoltage category	III	
[Ith] conventional free air thermal current	350 A (at 40 °C)	
Rated breaking capacity	2120 A conforming to IEC 60947-4-1	
[lcw] 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	
Associated fuse rating	315 A aM at <= 440 V 400 A gG at <= 440 V	
Average impedance	0.3 MOhm - Ith 350 A 50 Hz	
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C	

Power dissipation per pole	37 W AC-1 21 W AC-3
Mounting support	Plate
Standards	JIS C8201-4-1 IEC 60947-4-1 EN 60947-1 IEC 60947-1 EN 60947-4-1
Product certifications	RINA RMRoS CSA CB UL BV ABS LROS (Lloyds register of shipping) DNV
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end Power circuit: bar 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: lugs-ring terminals 1 cable(s) 240 mm² Power circuit: connector 1 cable(s) 240 mm² Power circuit: bolted connection
Tightening torque	Control circuit: 1.2 N.m Power circuit: 35 N.m
Control circuit voltage limits	Operational: 0.851.1 Uc 40400 Hz (at 55 °C) Drop-out: 0.150.2 Uc 40400 Hz (at 55 °C)
Inrush power in VA	650 VA 40400 Hz cos phi 0.9 (at 20 °C)
Hold-in power consumption in VA	10 VA 40400 Hz cos phi 0.9 (at 20 °C)
Heat dissipation	8 W
Operating time	4065 ms closing 100170 ms opening
Mechanical durability	10 Mcycles
Maximum operating rate	2400 Cyc/H 55 °C
Compatibility code	LC1F
Power range	55100 KW at 200240 V 3 phases 110220 KW at 480500 V 3 phases 110220 KW at 380440 V 3 phases
Motor starter type	Direct on-line contactor
Contactor coil voltage	220 V AC standard
Environment	
IP degree of protection	IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-555 °C
Ambient air temperature for storage	-6080 °C
Permissible ambient air temperature around the device	-4070 °C

Schneider Electric

203 Mm

213 Mm

7.44 Kg

201.5 Mm

Height

Width

Depth

Net weight

Packing Units

PCE
1
7.95 Kg
25 Cm
25 Cm
25.5 Cm
P06
12
104.116 Kg
80 Cm
80 Cm
60 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Compliant EPEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	☑ China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and- lead compounds, which is known to the State of California to cause can- cer and birth defects or other reproductive harm. For more information go- to www.P65Warnings.ca.gov

Contractual warranty

\	40
vvarranty	18 months

Product Life Status : Commercialised