Fisa tehnica produs
Caracteristici

LC1F265BD
TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 265 A - coil 24 V DC

Informatiile furnizate in aceasta documentatie contin descrieri generale si/sau caracteristici tehnice a performantelor produselor continute in acest document.
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Este de datoria utilizatorului sau a integratorului pentru efectuarea analizei adecvate si complete a riscurilor, evaluarea si testarea produselor in ceea ce prive?te aplicatia specifica relevanta sau utilizarea acestora.
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Main

Commercial Status	Commercialised
Range of product	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	<= 460 V DC <= 1000 V AC 50/60 Hz
[Ie] rated operational current	265 A (<= 55 °C) at <= 440 V AC AC-3 350 A (<= 40 °C) at <= 440 V AC AC-1
Motor power kW	75 kW at 220...230 V AC 50/60 Hz 147 kW at 1000 V AC 50/60 Hz 160 kW at 660…690 V AC 50/60 Hz 160 kW at 500 V AC 50/60 Hz 140 kW at 440 V AC 50/60 Hz 140 kW at 415 V AC 50/60 Hz 132 kW at 380...400 V AC 50/60 Hz
Control circuit type	DC standard
Control circuit voltage	24 V DC
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	350 A at <= 40 °C
Irms rated making capacity	2650 A AC conforming to IEC 60947-4-1
Rated breaking capacity	2120 kA conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	480 A <= 40 °C 10 min 620 A <= 40 °C 3 min 950 A <= 40 °C 1 min 1230 A <= 40 °C 30 s 2200 A <= 40 °C 10 s
Associated fuse rating	400 A gG at <= 440 V 315 A aM at <= 440 V
Average impedance	0.30 mOhm at 50 Hz - Ith 350 A
[Ui] rated insulation voltage	1500 V conforming to VDE 0110 group C 1000 V conforming to IEC 60947-4-1
Power dissipation per pole	21 W AC-3 37 W AC-1
Mounting support	Plate
Standards	EN 60947-1 EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 JEM 1038
Product certifications	BV CCC CSA DNV GL RINA RMRoS UL LROS

Connections - terminals	Power circuit: bar 2 x (32 x 4 mm) Power circuit: connector 1 cable(s) 240 mm² Power circuit: lugs-ring terminals 1 cable(s) 240 mm² Control circuit: screw clamp terminals 2 cable(s) 1...4 mm² - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm² - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm² - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm² - cable stiffness: flexible - without cable end
Tightening torque	Power circuit: 35 N.m Control circuit: 1.2 N.m
Operating time	40...65 ms opening 40...50 ms closing
Mechanical durability	10 Mcycles
Operating rate	2400 cyc/h at <= 55 °C

Complementary

Control circuit voltage limits	0.15...0.2 Uc at 55 °C drop-out 0.85...1.1 Uc at 55 °C operational
Inrush power in W	750 W at 20 °C
Hold-in power consumption in W	5 W at 20 °C
Heat dissipation	5 W

Environment

IP degree of protection	IP20 front face with shrouds (ordered separately) conforming to VDE 0106 IP20 front face with shrouds (ordered separately) conforming to IEC 60529
Protective treatment	TH
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...70 °C
Operating altitude	3000 m without derating in temperature
Mechanical robustness	Shocks contactor open 6 Gn for 11 ms Vibrations contactor closed 5 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms Vibrations contactor open 2 Gn, 5...300 Hz
Height	203 mm
Width	201.5 mm
Depth	213 mm
Product weight	7.44 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0843 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Descarcare Product Environmental
Product end of life instructions	Available Descarcare End Of Life Manual

Contractual warranty

Period	18 months