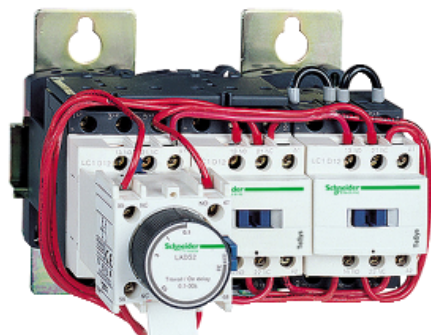




Main

Range	TeSys
Product name	TeSys D
Product or component type	Star delta starter
Device short name	LC3D
Contactor application	Motor control
Utilisation category	AC-3
Device presentation	Pre-wired
Poles description	3 x 3P
Power pole contact composition	3 x 3 NO
[Ue] rated operational voltage	Power circuit <= 690 V AC 25...400 Hz
[Ie] rated operational current	115 A 140 °F (60 °C)) <= 440 V AC AC-3 power circuit
Motor power kW	110 kW 380/400 V AC 50/60 Hz 110 kW 415 V AC 50/60 Hz 110 kW 440 V AC 50/60 Hz 63 kW 220/230 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	230 V AC 50/60 Hz
Auxiliary contact composition	1 NC KM2 line contactor 1 NO KM3 delta contactor
[Uimp] rated impulse withstand voltage	8 kV IEC 60947
Overvoltage category	III
[Ui] rated insulation voltage	Power circuit 600 V CSA Power circuit 600 V UL Signalling circuit 600 V CSA Signalling circuit 600 V UL Power circuit 1000 V IEC 60947-4-1 Signalling circuit 1000 V IEC 60947-1
Electrical durability	0.95 Mcycles 115 A AC-3 <= 440 V
Interlocking type	Mechanical

Mounting support	Plate
Standards	IEC 60947-5-1 CSA C22.2 No 14 EN 60947-5-1 UL 508 EN 60947-4-1 IEC 60947-4-1
Product certifications	CSA BV GL CCC GOST UL DNV LROS (Lloyds register of shipping) RINA

Complementary

Connections - terminals	Power circuit connector 1 0.02...0.19 in ² (10...120 mm ²) flexible without cable end Power circuit connector 2 0.02...0.08 in ² (10...50 mm ²) flexible without cable end Power circuit connector 1 0.02...0.19 in ² (10...120 mm ²) flexible with cable end Power circuit connector 2 0.02...0.08 in ² (10...50 mm ²) flexible with cable end Power circuit connector 1 0.02...0.19 in ² (10...120 mm ²) solid without cable end Power circuit connector 2 0.02...0.08 in ² (10...50 mm ²) solid without cable end Control circuit connector 1 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end Control circuit connector 2 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end Control circuit connector 1 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Control circuit connector 2 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Control circuit connector 1 0.00...0.00 in ² (1...2.5 mm ²) solid without cable end Control circuit connector 2 0.00...0.00 in ² (1...2.5 mm ²) solid without cable end
Tightening torque	Power circuit 106.21 lbf.in (12 N.m) connector flat Ø 6...8 mm Control circuit 10.62 lbf.in (1.2 N.m) connector flat Ø 6 mm Control circuit 10.62 lbf.in (1.2 N.m) connector Philips No 2
Mechanical durability	8 Mcycles
Maximum operating rate	30 cyc/h 140 °F (60 °C)
Starting time	30 s
Coil technology	Without built-in suppressor module
Control circuit voltage limits	Drop-out 0.3...0.5 Uc 50/60 Hz 131 °F (55 °C)) Operational 0.8...1.15 Uc 50/60 Hz 131 °F (55 °C))
Inrush power in VA	280...350 VA 60 Hz 0.8 68 °F (20 °C)) 280...350 VA 50 Hz 0.8 68 °F (20 °C))
Hold-in power consumption in VA	2...18 VA 60 Hz 0.3 68 °F (20 °C)) 2...18 VA 50 Hz 0.3 68 °F (20 °C))
Heat dissipation	3...8 W 50/60 Hz
Auxiliary contacts type	Mechanically linked IEC 60947-5-1 3 x 1 NO + 1 NC Mirror contact IEC 60947-4-1 3 x 1 NC
Signalling circuit frequency	25...400 Hz
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
Non-overlap time	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Width	17.72 in (450 mm)
Height	21.85 in (555 mm)
Depth	8.07 in (205 mm)
Net weight	26.68 lb(US) (12.1 kg)

Environment

Insulation resistance	> 10 MOhm signalling circuit
IP degree of protection	IP20 front face IEC 60529
Protective treatment	TH IEC 60068-2-30
Pollution degree	3

Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Ambient air temperature for operation	-40...158 °F (-40...70 °C) at Uc
Operating altitude	9842.52 ft (3000 m) without
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 UL 94
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed4 Gn, 5...300 Hz Shocks contactor closed15 Gn for 11 ms Shocks contactor open6 Gn for 11 ms

Ordering and shipping details

Category	22359 - CTR, TESYS D, OPEN, 80-150A AC&DC
Discount Schedule	I12
GTIN	03389110207804
Returnability	No
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
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.

Contractual warranty

Warranty	18 months
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