



Price* : 363.00 USD



Main

Range	TeSys
Product name	TeSys D
Product or component type	Contactor
Device short name	LC1D
Contactor application	Resistive load Motor control
Utilisation category	AC-4 AC-3 AC-1
Utilisation category	0.8 Mcycles 125 A AC-1 <= 440 V 1.5 Mcycles 80 A AC-3 <= 440 V
Utilisation category	5.1 W AC-3 12.5 W AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit <= 300 V DC 25...400 Hz Power circuit <= 690 V AC
Maximum ambient air temperature for operation	125 A 140 °F (60 °C) <= 440 V AC AC-1 power circuit 80 A 140 °F (60 °C) <= 440 V AC AC-3 power circuit
Network type	22 kW 220...230 V AC 50/60 Hz AC-3) 37 kW 380...400 V AC 50/60 Hz AC-3) 45 kW 415...440 V AC 50/60 Hz AC-3) 55 kW 500 V AC 50/60 Hz AC-3) 45 kW 660...690 V AC 50/60 Hz AC-3) 45 kW 1000 V AC 50/60 Hz AC-3) 15 kW 400 V AC 50/60 Hz AC-4)
Network type	140 A AC signalling circuit IEC 60947-5-1 250 A DC signalling circuit IEC 60947-5-1
Electrical circuit type	10 A 140 °F (60 °C) signalling circuit

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

	125 A 140 °F (60 °C) power circuit
Electrical circuit type	640 A 104 °F (40 °C) - 10 s power circuit 990 A 104 °F (40 °C) - 1 s power circuit 135 A 104 °F (40 °C) - 10 min power circuit 320 A 104 °F (40 °C) - 1 min power circuit 100 A - 1 s signalling circuit 120 A - 500 ms signalling circuit 140 A - 100 ms signalling circuit
Electrical circuit type	10 A gG signalling circuit IEC 60947-5-1 200 A gG ≤ 690 V type 1 power circuit 160 A gG ≤ 690 V type 2 power circuit
Electrical circuit type	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 1000 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1 Signalling circuit 600 V CSA Signalling circuit 600 V UL
[Ue] rated operational voltage	20 hp 200/208 V AC 50/60 Hz 3 phase 7.5 hp 115 V AC 50/60 Hz 1 phase 15 hp 230/240 V AC 50/60 Hz 1 phase 25 hp 230/240 V AC 50/60 Hz 3 phase 60 hp 460/480 V AC 50/60 Hz 3 phase 60 hp 575/600 V AC 50/60 Hz 3 phase
Network frequency	0.8 mOhm - lth 125 A 50 Hz power circuit
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	230 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 1 NC
Standards	8 kV IEC 60947
Standards	1100 A 440 V power circuit IEC 60947
Overvoltage category	III
Product certifications	DNV LROS (Lloyds register of shipping) GOST CCC GL RINA BV CSA UL
Front cover	With
Mounting support	Rail Plate
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Connections - terminals	Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)solid without cable end Power circuit connector 1 0.01...0.08 in ² (4...50 mm ²)flexible without cable end Power circuit connector 2 0.01...0.04 in ² (4...25 mm ²)flexible without cable end Power circuit connector 1 0.01...0.08 in ² (4...50 mm ²)flexible with cable end Power circuit connector 2 0.01...0.02 in ² (4...16 mm ²)flexible with cable end Power circuit connector 1 0.01...0.08 in ² (4...50 mm ²)solid without cable end Power circuit connector 2 0.01...0.04 in ² (4...25 mm ²)solid without cable end
Screwdriver shape	Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals Philips No 2 Power circuit 106.21 lbf.in (12 N.m) connector flat Ø 6 to Ø 8 mm
Operating time	20...35 ms closing 6...20 ms opening
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1

Maximum operating rate	3600 cyc/h 140 °F (60 °C)
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Complementary

Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.85...1.1 Uc -40...131 °F (-40...55 °C) operational AC 60 Hz 0.3...0.6 Uc -40...158 °F (-40...70 °C) drop-out AC 50/60 Hz 0.8...1.1 Uc -40...131 °F (-40...55 °C) operational AC 50 Hz 1...1.1 Uc 131...158 °F (55...70 °C) operational AC 50/60 Hz
Network frequency	245 VA 60 Hz 0.75 68 °F (20 °C)) 245 VA 50 Hz 0.75 68 °F (20 °C))
Network frequency	26 VA 60 Hz 0.3 68 °F (20 °C)) 26 VA 50 Hz 0.3 68 °F (20 °C))
Network frequency	6...10 W 50/60 Hz
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
Signalling circuit frequency	25...400 Hz
Electrical circuit type	5 mA signalling circuit
Electrical circuit type	17 V signalling circuit
Condition of tests	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Insulation resistance	> 10 MOhm signalling circuit
Contact compatibility	M11
Compatibility code	LC1D
Motor power range	55...100 kW 480...500 V 3 phase 15...25 kW 200...240 V 3 phase 30...50 kW 380...440 V 3 phase 30...50 kW 480...500 V 3 phase
Motor starter type	Direct on-line contactor
Control circuit type	230 V AC standard

Environment

IP degree of protection	IP20 front face IEC 60529
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Condition of tests	140...158 °F (60...70 °C) with derating
Operating altitude	0...9842.52 ft (0...3000 m)
Standards	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 UL 94
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Shocks contactor open8 Gn for 11 ms Vibrations contactor closed3 Gn, 5...300 Hz Shocks contactor closed10 Gn for 11 ms

Ordering and shipping details

Category	22359 - CTR, TESYS D, OPEN, 80-150A AC&DC
Discount Schedule	I12
GTIN	00785901799603
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.70 in (9.4 cm)

Package 1 width	5.20 in (13.2 cm)
Package 1 Length	5.59 in (14.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	5
Package 2 Weight	18.16 lb(US) (8.235 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	80
Package 3 Weight	309.04 lb(US) (140.18 kg)
Package 3 Height	31.50 in (80 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

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 Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
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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