



Main

Range	TeSys
Range of product	TeSys D
Product or component type	Contactor
Device short name	LC1D
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
[Ue] rated operational voltage	Power circuit: ≤ 1000 V AC 25...400 Hz Power circuit: ≤ 460 V DC
[Ie] rated operational current	200 A (at ≤ 60 °C) at ≤ 440 V AC AC-1 for power circuit

Complementary

Pole contact composition	4 NO
Contact compatibility	M8
Protective cover	With
[Ui] rated insulation voltage	Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Power circuit: 1000 V conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	8 KV conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	200 A (at 60 °C) for power circuit
Irms rated making capacity	1260 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	1100 A at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	250 A gG at ≤ 690 V coordination type 1 for power circuit 200 A gG at ≤ 690 V coordination type 2 for power circuit
Time constant	25 Ms
Control circuit type	DC standard
Coil technology	With integral suppression device
Control circuit voltage limits	0.75...1.2 Uc (-40 ... 55 °C):operational DC 0.15...0.4 Uc (-40 ... 70 °C):drop-out DC 1...1.2 Uc (55 ... 70 °C):operational DC
Average impedance	0.6 MOhm - Ith 200 A 50 Hz for power circuit
Power dissipation per pole	24 W AC-1
Maximum operating rate	1200 Cyc/H 60 °C
Inrush power in W	270...365 W (at 20 °C)
Hold-in power consumption in W	2.4...5.1 W at 20 °C

Tightening torque	Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 12 N.m - on connector hexagonal screw head 4 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver- pozidriv No 2
Mounting support	Rail Plate
Electrical durability	0.8 Mcycles 200 A AC-1 at Ue ≤ 440 V
Mechanical durability	8 Mcycles
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming- to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming- to EN/ISO 13849-1
Operating altitude	0...3000 m
Compatibility code	LC1D
Product certifications	RINA GL BV CSA GOST LROS (Lloyds register of shipping) DNV CCC UL UKCA







Environment

Climatic withstand	Conforming to IACS E10
Ambient air temperature for storage	-60...80 °C
Fire resistance	850 °C conforming to IEC 60695-2-1
Mechanical robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 6 Gn for 11 ms
Height	158 Mm
Width	150 Mm
Depth	132 Mm
Net weight	2.86 Kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.976 Kg
Package 1 Height	16.8 Cm
Package 1 Width	18.5 Cm
Package 1 Length	21.2 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU 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: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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Product Life Status :	Commercialised
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