Specifications



TeSys D reversing contactor - 3P(3 NO) - AC-3 - <= 440 V 38 A - 48 V DC coil

LC2D38EL

(!) Discontinued

Main

reSys D Reversing contactor C2D Actor control Resistive load AC-1 AC-3 Preassembled with reversing power busbar IP Reversing contactor C2D Cover circuit: <= 690 V AC 25400 Hz Cover circuit: <= 300 V DC C00000000000000000000000000000000000
Reversing contactor C2D Motor control Resistive load AC-1 AC-3 Preassembled with reversing power busbar
C2D Actor control Resistive load AC-1 AC-3 Preassembled with reversing power busbar BP B NO Power circuit: <= 690 V AC 25400 Hz
Active load AC-1 AC-3 Preassembled with reversing power busbar BP B NO Power circuit: <= 690 V AC 25400 Hz
Resistive load AC-1 AC-3 Preassembled with reversing power busbar IP S NO Power circuit: <= 690 V AC 25400 Hz
AC-3 Preassembled with reversing power busbar BP R NO Power circuit: <= 690 V AC 25400 Hz
Power circuit: <= 690 V AC 25400 Hz
9 NO Power circuit: <= 690 V AC 25400 Hz
Power circuit: <= 690 V AC 25400 Hz
i0 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 8 A (at <60 °C) at <= 440 V AC AC-3 for power circuit
kW at 220230 V AC 50 Hz 8.5 kW at 380400 V AC 50 Hz 8.5 kW at 415440 V AC 50 Hz 8.5 kW at 500 V AC 50 Hz 8.5 kW at 660690 V AC 50 Hz
0 hp at 230/240 V AC 60 Hz for 3 phases motors 6 hp at 240 V AC 60 Hz for 1 phase motors 0 hp at 200/208 V AC 60 Hz for 3 phases motors 10 hp at 480 V AC 60 Hz for 3 phases motors 15 hp at 600 V AC 60 Hz for 3 phases motors
DC low consumption
18 V DC
NO + 1 NC
kV conforming to IEC 60947
И
0 A (at 60 °C) for signalling circuit i0 A (at 60 °C) for power circuit
40 A AC for signalling circuit conforming to IEC 60947-5-1
250 A DC for signalling circuit conforming to IEC 60947-5-1 250 A at 440 V for power circuit conforming to IEC 60947

[Icw] Rated Short-Time Withstand Current	60 A 40 °C - 10 min for power circuit 430 A 40 °C - 1 s for power circuit 150 A 40 °C - 1 min for power circuit 310 A 40 °C - 10 s for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit
Associated Fuse Rating	10 A gG for signalling circuit conforming to IEC 60947-5-1 63 A gG at <= 690 V coordination type 1 for power circuit 63 A gG at <= 690 V coordination type 2 for power circuit
Average Impedance	2 mOhm - Ith 50 A 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Signalling circuit: 600 V conforming to IEC 60947-1 Signalling circuit: 600 V CSA certified Signalling circuit: 600 V UL certified
Electrical Durability	1.4 Mcycles 50 A AC-1 at Ue <= 440 V 1.4 Mcycles 38 A AC-3 at Ue <= 440 V
Power Dissipation Per Pole	5 W AC-1 3 W AC-3
Front Cover	With
Interlocking Type	Mechanical
Mounting Support	Plate Rail
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Product Certifications	RINA LROS (Lloyds register of shipping) BV GL GOST CCC DNV UL CSA
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) 14 mm²solid Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid Power circuit: screw clamp terminals 2 cable(s) 14 mm²solid Power circuit: screw clamp terminals 2 cable(s) 2.510 mm²flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 2.510 mm²flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 110 mm²flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 110 mm²flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 110 mm²flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 110 mm²flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 110 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.510 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.510 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.510 mm²flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 1.510 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.510 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.510 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 2.510 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 2.510 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 2.510 mm²flexible with cable
Tightening Torque	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver Philips No 2
Operating Time	65.4588.55 ms closing 2030 ms opening
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
Mechanical Durability	30 Mcycles

Maximum Operating Rate 3600 cyc/h 60 °C

Complementary

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Coil Technology	Built-in bidirectional peak limiting diode suppressor
Control Circuit Voltage Limits	0.10.3 Uc (-4070 °C):drop-out DC 0.81.25 Uc (-4060 °C):operational DC 11.25 Uc (6070 °C):operational DC
Time Constant	40 ms
Inrush Power In W	2.4 W (at 20 °C)
Hold-In Power Consumption In W	2.4 W at 20 °C
Auxiliary Contacts Type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1
Signalling Circuit Frequency	25400 Hz
Minimum Switching Current	5 mA for signalling circuit
Minimum Switching Voltage	17 V for 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
Insulation Resistance	> 10 MOhm for signalling circuit

Environment

Ip Degree Of Protection	IP20 front face conforming to IEC 60529
Protective Treatment	TH conforming to IEC 60068-2-30
Pollution Degree	3
Ambient Air Temperature For Operation	-4060 °C 6070 °C with derating
Ambient Air Temperature For Storage	-6080 °C
Operating Altitude	03000 m
Fire Resistance	850 °C conforming to IEC 60695-2-1
Flame Retardance	V1 conforming to UL 94
Mechanical Robustness	Vibrations contactor open: 2 Gn, 5300 Hz Vibrations contactor closed: 4 Gn, 5300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 8 Gn for 11 ms
Height	85 mm
Width	90 mm
Depth	101 mm
Net Weight	1.137 kg

Contractual warranty

Warranty

18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Eà

Well-being performance

Reach Free Of Svhc
 Toxic Heavy Metal Free
 Mercury Free
 Rohs Exemption Information Yes
 Pvc Free

Certifications & Standards

Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information