Product data sheet

Specifications



TeSys D reversing contactor - 3P(3 NO) - AC-3 - <= 440 V 50 A - 110 V DC coil

LC2D50A3FD

(!) Discontinued

Main

Range TeSys Product Name TaSys D Product Or Component Type Reversing contactor Device Short Name LC2D Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-1 Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3 NO (Ue] Rated Operational Voltage Power circuit: < 680 V AC 25400 Hz Power circuit: < Power Pole Contact Composition 3 NO (Ue] Rated Operational Current 50 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit Motor Power Kw 15 KW at 220230 V AC 50 Hz 33 KW at 60040 C 50 Hz 30 KW at 400 V AC 50 Hz Motor Power Hp (UI / Csa) 3 hg at 115 V AC 50 Hz for 1 phase motors 7.5 hg at 230/240 V AC 50 Hz 2 Control Circuit Voitage 110 V DC Auxiliary Contact Composition 1 NO + 1 NC [Ui] Control Circuit Voitage 110 V DC Auxiliary Contact Composition 1 NO + 1 NC [Uimp] Rated Impulse Withstand 6 KV conforming to IEC 60947.5-1 250 A A L 40 V for power circuit <th>Walli</th> <th></th>	Walli	
Product Or Component Type Reversing contactor Device Short Name LC2D Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-1 Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3 NO [Ue] Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power oircuit: <= 300 V DC [Ie] Rated Operational Current 50 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 80 A (at <60 °C) at <= 440 V AC AC 50 Hz 22 KW at 380400 V AC 50 Hz 33 KW at 660800 V AC 50 Hz 33 KW at 660800 V AC 50 Hz 33 KW at 440 V AC 50 Hz 30 KW at 440 V AC 50 Hz 30 KW at 440 V AC 50 Hz 30 KW at 440 V AC 50 Hz Motor Power Hp (UI / Csa) 3 hg at 115 V AC 60 Hz for 1 phase motors 15 hg at 230/240 V AC 60 Hz for 3 phases motors 40 hg at 460/480 V AC 50 Hz Control Circuit Type DC standard Uc] Control Circuit Voltage 110 V DC Auxiliary Contact Composition 1 NO + 1 NC Uling Rated Impulse Withstand 0 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for signalling circuit	Range	TeSys
Device Short Name LC2D Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-1 Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3 NO [Ue] Rated Operational Voltage Power circuit: <= 660 V AC 25400 Hz Power circuit: <= 300 V DC	Product Name	TeSys D
Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-1 Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3 NO [Ue] Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	Product Or Component Type	Reversing contactor
Resistive load Utilisation Category AC-3 AC-1 Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3 NO [Ue] Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	Device Short Name	LC2D
AC-1 Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3 NO [Ue] Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	Contactor Application	
Poles Description 3p Power Pole Contact Composition 3 NO [Ue] Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	Utilisation Category	
Power Pole Contact Composition 3 NO [Ue] Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	Device Presentation	Preassembled with reversing power busbar
[Ue] Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	Poles Description	3P
Power circuit: <= 300 V DC	Power Pole Contact Composition	3 NO
80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit	[Ue] Rated Operational Voltage	
22 kW at 380400 V AC 50 Hz 30 kW at 500 V AC 50 Hz 33 kW at 660690 V AC 50 Hz 25 kW at 415 V AC 50 Hz 30 kW at 440 V AC 60 Hz for 1 phase motors 7.5 hp at 230/240 V AC 60 Hz for 3 phases motors 15 hp at 230/240 V AC 60 Hz for 3 phases motors 40 hp at 460/480 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 460/480 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 410 V DC Auxilliary Con	[le] Rated Operational Current	
7.5 hp at 230/240 V AC 60 Hz for 1 phase motors 15 hp at 200/208 V AC 60 Hz for 3 phases motors 15 hp at 230/240 V AC 60 Hz for 3 phases motors 40 hp at 460/480 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors 40 V DC Auxiliary Contact Composition 1 NO + 1 NC [Uimp] Rated Impulse Withstand 6 kV conforming to IEC 60947 Overvoltage Category III [Ith] Conventional Free Air 10 A (at 60 °C)	Motor Power Kw	22 kW at 380400 V AC 50 Hz 30 kW at 500 V AC 50 Hz 33 kW at 660690 V AC 50 Hz 25 kW at 415 V AC 50 Hz
[Uc] Control Circuit Voltage 110 V DC Auxiliary Contact Composition 1 NO + 1 NC [Uimp] Rated Impulse Withstand 6 kV conforming to IEC 60947 Voltage 6 kV conforming to IEC 60947 Overvoltage Category III [Ith] Conventional Free Air 10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit Irms Rated Making Capacity 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947	Motor Power Hp (UI / Csa)	 7.5 hp at 230/240 V AC 60 Hz for 1 phase motors 15 hp at 200/208 V AC 60 Hz for 3 phases motors 15 hp at 230/240 V AC 60 Hz for 3 phases motors 40 hp at 460/480 V AC 60 Hz for 3 phases motors
Auxiliary Contact Composition 1 NO + 1 NC [Uimp] Rated Impulse Withstand 6 kV conforming to IEC 60947 Voltage 6 kV conforming to IEC 60947 Overvoltage Category III [Ith] Conventional Free Air 10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit Irms Rated Making Capacity 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947	Control Circuit Type	DC standard
[Uimp] Rated Impulse Withstand 6 kV conforming to IEC 60947 Overvoltage Overvoltage Category III [Ith] Conventional Free Air 10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit Irms Rated Making Capacity 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947	[Uc] Control Circuit Voltage	110 V DC
Voltage Overvoltage Category III [Ith] Conventional Free Air Thermal Current 10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit Irms Rated Making Capacity 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947	Auxiliary Contact Composition	1 NO + 1 NC
[Ith] Conventional Free Air 10 A (at 60 °C) for signalling circuit Thermal Current 80 A (at 60 °C) for power circuit Irms Rated Making Capacity 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947		6 kV conforming to IEC 60947
Thermal Current 80 A (at 60 °C) for power circuit Irms Rated Making Capacity 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947	Overvoltage Category	Ш
250 A DC for signalling circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947		
Rated Breaking Capacity 900 A at 440 V for power circuit conforming to IEC 60947	Irms Rated Making Capacity	250 A DC for signalling circuit conforming to IEC 60947-5-1
	Rated Breaking Capacity	900 A at 440 V for power circuit conforming to IEC 60947

level Retail Short-Time Withstand 400.4.0°C - 10 s for power circuit Bit A.40°C - 10 min for power circuit Bit A.40°C - 10 min for power circuit Bit A.40°C - 10 min for power circuit Bit A.40°C - 10 min for power circuit 100 A. 1 is for signalling circuit 100 A.50°C for signalling circuit 100 A.50°C for signalling circuit 100 A.50°C for signalling circuit 100 A.50°C for signalling circuit 100 A.50°C for signalling circuit 100 A.50°C for signalling circuit 100 A.50°C for signalling circuit 100 A.50°C for signalling circuit 50°C 400°C - 10°C 40°C 40°C 40°C 40°C 40°C 40°C 40°C 4		
B4 A 40 °C - 10 min for power circuit 100 A - 15 for signalling circuit 100 A - 15 for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit 140 A - 100 ms for signalling circuit 140 A - 300 ms for signalling circuit 140 A - 100 ms for signalling circuit 140 A - 300 ms for signalling circuit 140 A - 300 ms for signalling circuit 100 A gG at <= 600 V coordination type 1 for power circuit		
208 A 40°C - 1 min for power circuit 128 A - 500 ms for signaling circuit 128 A - 500 ms for signaling circuit 128 A - 500 ms for signaling circuit Associated Fuse Rating 10 A gG for signaling circuit 100 A dG at <= 680 V coordination type 1 for power circuit	Surrent	•
100 A - 1 s for signaling circuit 120 A - 500 nor signaling circuit 140 A - 100 ms for signaling circuit 140 A - 100 ms for signaling circuit 140 A - 100 ms for signaling circuit 100 A gG at <= 690 V coordination type 1 for power circuit Werage Impedance 1.5 mOhm - th 80 A 50 Hz for power circuit UJ] Rated Insulation Voltage Power circuit: 600 V CSA certified Signaling circuit: 600 V CSA certified Signaling circuit: 600 V CSA certified Power Circuit: 600 V CSA certified 9.0 wer circuit: 600 V CSA certified Signaling circuit: 600 V CSA certified 9.0 wer circuit: 600 V CSA certified Signaling circuit: 600 V CSA certified 9.0 wer circuit: 600 V CSA certified Signaling circuit: 600 V CSA certified 9.0 wer circuit: 600 V CSA certified Prower Dissipation Per Pole 3.7 W AC-3 Signaling circuit: 600 V CSA certified 9.0 wer circuit: 600 V CSA certified Signaling circuit: 600 V CSA certified 9.0 wer circuit: 600 V CSA certified Signaling circuit: 600 V CSA certified 9.0 wer circuit: 600 V CSA certified Signaling circuit: 600 V LC certified 9.0 wer circuit: 600 V LC certified Signaling circuit: 600 V LC certified 9.0 wer circuit: 600 V LC certified Signaling circuit: 600 V LC certified 9.0 wer circuit		·
120 A: 500 ms for signalling circuit 140 A: 100 ms for signalling circuit ssociated Fuse Rating 100 A gG at <= 680 V coordination bye 1 for power circuit 100 A gG at <= 680 V coordination bye 1 for power circuit werage Impedance 15 mOhm - Ith 80 A 50 Hz for power circuit UIJ Rated Insulation Voltage Power circuit: 680 V conforming to IEC 60947-4-1 Power circuit: 680 V UL certified Signalling circuit: 600 V UL certified Signalling circuit: 600 V CA certified Signalling circuit: 600 V CA certified Signalling circuit: 600 V UL certified Signalling circuit: 600 V CA certified Signathiting circuit: 600 V CA certified		·
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100 Å gG at <= 600 V coordination type 1 for power circuit		
100 A gG at <= 680 V coordination type 1 for power circuit	Associated Fuse Rating	10 A gG for signalling circuit conforming to IEC 60947-5-1
100 A gG at <= 680 V coordination type 2 for power circuit	-	
UIJ Rated insulation Voltage Power circuit: 600 V Conforming to EC 60947-4-1 Power circuit: 600 V Lic certified Signalling circuit: 600 V Lic certified Control Circuit: spring terminals 1 cable(s) 2.5 mm*flexible without cable end Control circuit: spring terminals 2 cable(s) 2.5 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR s		
Power circuit: 600 V CoSA certified Power circuit: 600 V Locatified Signalling circuit: 600 V CoSA certified Signalling circuit: 600 V CoSA certified Signalling circuit: 600 V CoSA certified Signalling circuit: 600 V Locatified Power Dissipation Per Pole 3.7 W AC-3 9.6 W AC-1 Front Cover With InterfaceKing Type Mechanical Acounting Support Rail Plate Standards CCC COST CSA CSA Control circuit: spring terminals 1 cable(s) 2.5 mm*flexible without cable end Power circuit: Sever une connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: Sever une connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm*flexible without cable e	Average Impedance	1.5 mOhm - Ith 80 A 50 Hz for power circuit
Power circuit: 600 V UL certified Signalling circuit: 600 V CSA certified Concer With tetrocking Type Mechanical teuring Support Rail Plate Not Coce tandards CSA C22.2 No 14 EC 60847-6-1 EC 60847-6-1 EC CC GOST CSA connections - Terminals Control circuit: spring terminals 1 cable(s) 2.5 mm*lexible without cable end Control circuit: spring terminals 1 cable(s) 2.5 mm*lexible without cable end Control circuit: spring terminals 2 cable(s) 135 mm*lexible without cable end Control circuit: spring terminals 2 cable(s) 135 mm*lexible without cable end Control circuit: spring terminals 2 cable(s) 135 mm*lexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135	Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1
Signaling circuit: 800 V Conforming to IEC 60947-1 Signaling circuit: 600 V UL certified Signaling circuit: 600 V CL certified Tord Cover With tetrocking Type Mechanical tounting Support Rail Plate tetrocking Type Mechanical tetrocking Type Mechanical tounting Support Rail Plate tetrocking Type Mechanical tounting Support		Power circuit: 600 V CSA certified
Signalling circuit: 800 V CLS certified Signalling circuit: 800 V UL certified Signalling circuit: 800 V UL certified Signalling circuit: 800 V UL certified Signalling circuit: 800 V CL at Ue <= 440 V		Power circuit: 600 V UL certified
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Tower Dissipation Per Pole 3.7 W AC-3 9.6 W AC-1 store With trott Cover With terlocking Type Mechanical tounting Support Rail Plate tandards CSA C22.2 No 14 EN 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 UL 508 tenderds UL CCC GOST CSA connections - Terminals UL CCC COST CSA connections - Terminals Control circuit: spring terminals 1 cable(s) 2.5 mm*flexible without cable end Control circuit: spring terminals 2 cable(s) 2.5 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm*flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm*flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm*flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm*flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm*flexible with cable end Power circuit: EverLink BTR screw connectors - cable 2535 mm*flexible end Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm*flexible m*exagonal screw head 4 mm <td>lectrical Durability</td> <td>1.45 Mcycles 50 A AC-3 at Ue <= 440 V</td>	lectrical Durability	1.45 Mcycles 50 A AC-3 at Ue <= 440 V
9.6 W AC-1 ront Cover With nterlocking Type Mechanical founting Support Rail Plate tandards CSA C22.2 No 14 EN 60947-4-1 EN 60947-4-1 IEC 60947-5-1 UL 508 troduct Certifications UL CCC GOST CSA connections - Terminals Control circuit: spring terminals 1 cable(s) 2.5 mm ³ flexible without cable end Control circuit: spring terminals 2 cable(s) 2.5 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm ³ flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm ³ flexible with cable end Power circuit: EverLink BTR screw connectors - cable 2.535 mm ³ hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 2.525 mm ³ hexagonal screw head 4 mm Operating Time 1624 ms opening 42.557.5 ms closing tafety Reliability Level B10d = 1369863 cycles contactor with mechanical load conforming to EN/ISO 13849-1 techanical Durability 10 Mcycles		0.5 Mcycles 80 A AC-1 at Ue <= 440 V
ront Cover With tterlocking Type Mechanical tounting Support Rail Plate ttandards CSA C22.2 No 14 EN 60947-4-1 EN 60947-4-1 EN 60947-5-1 UL 508 troduct Certifications UL CCC GOST CSA troduct Certifications UL CCC GOST CSA connections - Terminals Control circuit: spring terminals 1 cable(s) 2.5 mm ³ flexible without cable end Control circuit: spring terminals 2 cable(s) 135 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm ³ flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm ³ flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm ³ flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm ³ flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 125 mm ³ flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 125 mm ³ flexible with cable end Power circuit: 5 N m - on EverLink BTR screw connectors - cable 2535 mm ³ hexagonal screw head 4 mm Power circuit: 5 N m - on EverLink BTR screw connectors - cable 2.525 mm ³ hexagonal screw head 4 mm Operating Time 1624 ms opening 42.557.5 ms closing tafety Reliability Level B10d = 1369963 cycles contactor with nominal load conforming to EN/ISO 13849-1 techanical Durability 10 Mcycles	ower Dissipation Per Pole	
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Plate Standards CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 UL 508 Product Certifications UL CCC GOST CSA Connections - Terminals Control circuit: spring terminals 1 cable(s) 2.5 mm²flexible without cable end Power circuit: spring terminals 2 cable(s) 2.5 mm²flexible without cable end Power circuit: spring terminals 2 cable(s) 2.5 mm²flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm²flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm²flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm²flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 135 mm²flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 125 mm²flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 125 mm²flexible with cable end Power circuit: EverLink BTR screw connectors - cable 2535 mm² hexagonal screw head 4 mm Power circuit: N m - on EverLink BTR screw connectors - cable 2525 mm² hexagonal screw head 4 mm Operating Time 1624 ms opening 42.557.5 ms closing Stafety 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 Interchanical Durability 10 Mcycles	nterlocking Type	Mechanical
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		B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO
faximum Operating Rate 3600 cvc/h 60 °C	lechanical Durability	10 Mcycles
	Aaximum Operating Rate	3600 cvc/h 60 °C

Complementary

Coil Technology

Built-in bidirectional peak limiting diode suppressor

Control Circuit Voltage Limits	0.10.3 Uc (-4070 °C):drop-out DC 0.751.25 Uc (-4060 °C):operational DC 11.25 Uc (6070 °C):operational DC
Time Constant	34 ms
Inrush Power In W	19 W (at 20 °C)
Hold-In Power Consumption In W	7.4 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 open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
Height	122 mm
Width	119 mm
Depth	120 mm
Net Weight	2.03 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 >

Well-being performance

Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes
Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration