

Contactor, TeSys Deca, 3P(3 NO), AC-3/AC-3e, 0 to 440V, 40A, 24VDC standard coil, spring

LC1D40A3BD

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Range	TeSys TeSys Deca
Range of product	TeSys Deca
Product or component type	Contactor
Device short name	LC1D
Contactor application	Motor control Resistive load
Utilisation category	AC-4 AC-1 AC-3 AC-3e
Poles description	3P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC
[le] rated operational current	60 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 40 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 40 A (at <60 °C) at <= 440 V AC AC-3e for power circuit
[Uc] control circuit voltage	24 V DC

Complementary	
Motor power kW	18.5 kW at 380400 V AC 50/60 Hz (AC-3) 11 kW at 220230 V AC 50/60 Hz (AC-3) 22 kW at 415440 V AC 50/60 Hz (AC-3) 22 kW at 500 V AC 50/60 Hz (AC-3) 30 kW at 660690 V AC 50/60 Hz (AC-3) 9 kW at 400 V AC 50/60 Hz (AC-4) 18.5 kW at 380400 V AC 50/60 Hz (AC-3e) 11 kW at 220230 V AC 50/60 Hz (AC-3e) 22 kW at 415440 V AC 50/60 Hz (AC-3e) 22 kW at 500 V AC 50/60 Hz (AC-3e) 30 kW at 660690 V AC 50/60 Hz (AC-3e)
Motor power hp	5 hp at 230/240 V AC 50/60 Hz for 1 phase motors 10 hp at 230/240 V AC 50/60 Hz for 3 phases motors 30 hp at 575/600 V AC 50/60 Hz for 3 phases motors 10 hp at 200/208 V AC 50/60 Hz for 3 phases motors 3 hp at 115 V AC 50/60 Hz for 1 phase motors 30 hp at 460/480 V AC 50/60 Hz for 3 phases motors
Compatibility code	LC1D
Pole contact composition	3 NO
Contact compatibility	M4
Protective cover	With

Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm² hexagonal screw head 4 mm		
280 A D for signalling circuit conforming to IEC 60947 5-1 Rated breaking capacity 800 A at 44 VV for power circuit conforming to IEC 60947 [Icw] rated short-time withstand current 200 A 20 C - 10 for power circuit 72 A 40 C - 13 for power circuit 72 A 40 C - 13 for power circuit 72 A 40 C - 13 for power circuit 72 A 40 C - 13 for power circuit 72 A 40 C - 13 for power circuit 72 A 40 C - 13 for power circuit 72 A 40 C - 13 for power circuit 73 A 40 C - 13 for power circuit 74 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 40 C - 13 for power circuit 75 A 50 A 50 d s - 200 V coordination by 16 for power circuit 80 A 50 d s - 200 V coordination by 2 for power circuit 80 A 50 d s - 200 V coordina		
[iow] rated short-time withstand current \$20 A 40 °C - 10 s to power circuit \$70 A 40 °C - 1 s for power circuit \$70 A 40 °C - 1 s for power circuit \$70 A 40 °C - 1 s for power circuit \$70 A 40 °C - 1 s for signaling circuit \$70 A 40 °C - 1 s for signaling circuit \$70 A 40 °C - 1 s for signaling circuit \$70 A 40 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for signaling circuit \$70 A 50 °C - 1 s for power circuit \$70 A 50 °C	Irms rated making capacity	250 A DC for signalling circuit conforming to IEC 60947-5-1
220 A 0°C-1 a for power circuit 72 A 40°C-1 in for power circuit 180 A 40°C-1 in mit for power circuit 180 A 50°C-1 in mit for power circuit 180 A 50°C-1 in mit for power circuit 180 A 60°C-1 in mit for power circuit 180	Rated breaking capacity	800 A at 440 V for power circuit conforming to IEC 60947
80 A gC at <= 680 V coordination type 1 for power circuit 80 A gC at <= 680 V coordination type 2 for power circuit 80 A gC at <= 680 V coordination type 2 for power circuit 80 A gC at <= 680 V coordination type 2 for power circuit 80 V and September 2 at WAC-3 2.4 W AC-3 3.4 W AC-3 2.4 W AC-3 3.4 W AC-3 3.		720 A 40 °C - 1 s for power circuit 72 A 40 °C - 10 min for power circuit 165 A 40 °C - 1 min for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit
Power dissipation per pole 2.4 W AC-3 5.4 W AC-1 2.4 W AC-3 5.4 W AC-3 5.4 W AC-1 2.4 W AC-3 5.4 W AC-3 5.4 W AC-1 5.4 W AC-3 5.4 W AC-1 5.4 W AC-3 5.4 W AC-1 5.4 Singalling direxit. 80 V CSA certified Singalling direxit. 80 V Lic certified Singalling direxit. 80 V V CSA certified Singalling dire	Associated fuse rating	80 A gG at <= 690 V coordination type 1 for power circuit
S.4 W AC-3e Power circuit: 600 V CSA certified Power circuit: 600 V CSA certified Power circuit: 600 V U.L certified Power circuit: 600 V CSA certified Signalling circuit: 600 V U.L certified Power circuit: 600 V U.L ce	Average impedance	1.5 mOhm - Ith 60 A 50 Hz for power circuit
Power circuit. 600 V UL certified Signalling circuit. 600 V conforming to IEC 60947-1 Signalling circuit. 600 V conforming to IEC 60947-1 Signalling circuit. 600 V L certified Signalling circuit. 600 V L certified Power circuit. 650 V conforming to IEC 60947-4-1 Overvoltage category III Overvoltage category III Overvoltage impulse withstand of kV conforming to IEC 60947 Overvoltage Safety reliability level B10d = 1389863 cycles contactor with nominal load conforming to ENISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to ENISO 13849-1 Mechanical durability O7 Mcycles 60 A AC-1 at Us <= 440 V 1.5 Mcycles 60 A AC-2 at Us <= 440 V 1.5 Mcycles 60 A AC-3 at Us <= 440 V 1.5 Mcycles 60 A AC-3 at Us <= 440 V 1.5 Mcycles 60 A AC-3 at Us <= 440 V 1.5 Mcycles 60 A AC-3 at Us <= 540 V Control circuit type Coil technology Bult-in bidirectional peak limiting diode suppressor Control circuit voltage limits O1.1.0.3 Us (4070 °C)ckpop-aul DC 07.5.1.25 Us (4060 °C)coperational DC 1125 Us (6070 °C) cycles peralonal DC 112	Power dissipation per pole	5.4 W AC-1
Pollution degree 3	[Ui] rated insulation voltage	Power circuit: 600 V UL certified Signalling circuit: 690 V conforming to IEC 60947-1 Signalling circuit: 600 V CSA certified Signalling circuit: 600 V UL certified
[Uimp] rated impulse withstand voltage Bafety reliability level B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 200000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1 Mechanical durability 10 Mcycles 10 Mcycles 10 Mcycles 10 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 40 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 a	Overvoltage category	III
Safety reliability level B10d = 1389883 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 200000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1 Mechanical durability 10 Mcycles 10.7 Mcycles 60 A AC-1 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcyc	Pollution degree	3
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Electrical durability 0.7 Mcycles 60 A AC-1 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V Control circuit type DC standard 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 (6070 °C):operational DC 11.25 Uc (6070 °C):operational DC 11.25 Uc (6070 °C):operational DC 11.25 Uc (6070 °C):operational DC Inrush power in W 19 W (at 20 °C) Hold-in power consumption in W 7.4 W at 20 °C Operating time 42.557.5 ms closing 1624 ms opening Time constant 34 ms Maximum operating rate Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: slexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: slexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: slexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: slow with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: slow with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: slow with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: slow with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: s	Safety reliability level	
1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycles 40 A AC-3 at Ue <= 440 V 1.5 Mcycle	Mechanical durability	10 Mcycles
Control circuit voltage limits 0.10.3 Uc (-4070 °C):drop-out DC 0.751.25 Uc (-4060 °C):operational DC 11.25 Uc (-4060 °C) Inrush power in W 19 W (at 20 °C) Hold-in power consumption in W 24.557.5 ms closing 1624 ms opening 1624 ms opening Time constant 34 ms Maximum operating rate 3600 cyc/h 60 °C Connections - terminals Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: selexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mr² - cabl	Electrical durability	1.5 Mcycles 40 A AC-3 at Ue <= 440 V
Control circuit voltage limits 0.10.3 Uc (-4060 °C):operational DC 11.25 Uc (6070 °C):operational DC 11.25 Uc (6070 °C):operational DC Inrush power in W 19 W (at 20 °C) Hold-in power consumption in 7.4 W at 20 °C Operating time 42.557.5 ms closing 1624 ms opening Time constant 34 ms Maximum operating rate Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 2 225 mm² - cable stiffness: solid wit	Control circuit type	DC standard
0.751.25 Uc (64070 °C):operational DC 11.25 Uc (6070 °C):operational DC 11.25 Uc (6070 °C):operational DC 11.25 Uc (6070 °C):operational DC Inrush power in W 19 W (at 20 °C) Hold-in power consumption in W 24.557.5 ms closing 1624 ms opening Time constant 34 ms Maximum operating rate 3600 cyc/h 60 °C Connections - terminals Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: Solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: Solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: Solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable s	Coil technology	Built-in bidirectional peak limiting diode suppressor
Hold-in power consumption in 7.4 W at 20 °C 7.5 ms closing 1624 ms opening 7.5 ms closing 1624 ms opening 7.6 °C 7.6 °C 7.7 ms constant 7.8 ms 2600 cyc/h 60 °C 7.8 connections - terminals 7.9 connections - terminals 7.9 connections - terminals 7.9 connections - terminals 7.0 connections - terminal	Control circuit voltage limits	0.751.25 Uc (-4060 °C):operational DC
Operating time 42.557.5 ms closing 1624 ms opening 34 ms Maximum operating rate 3600 cyc/h 60 °C Connections - terminals Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm² hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 0.7525 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	Inrush power in W	19 W (at 20 °C)
Time constant 34 ms Maximum operating rate 3600 cyc/h 60 °C Connections - terminals Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 5 verLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 5 verLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 0.7525 mm² hexagonal screw head 4 mm Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	•	7.4 W at 20 °C
Maximum operating rate Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm² hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 0.7525 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	Operating time	
Connections - terminals Control circuit: spring terminals 1 0.752.5 mm² - cable stiffness: flexible without cable end Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm² hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 0.7525 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	Time constant	34 ms
Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm² hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 0.7525 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	Maximum operating rate	3600 cyc/h 60 °C
4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 0.7525 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	Connections - terminals	Control circuit: spring terminals 2 0.752.5 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness: solid without cable end
Auxiliary contact composition 1 NO + 1 NC	Tightening torque	4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 0.7525 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
		Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2

	type militor contact 1 NC conforming to IEC 60947-4-1
Signalling circuit frequency	25400 Hz
Minimum switching voltage	17 V for signalling circuit
Minimum switching current	5 mA for signalling circuit
Insulation resistance	> 10 MOhm 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
Mounting support	Plate Rail
Environment	
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 IEC 60335-1
Product certifications	UL CSA CCC GOST
IP degree of protection	IP20 front face conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068-2-30
Climatic withstand	conforming to IACS E10 exposure to damp heat conforming to IEC 60947-1 Annex Q category D exposure to damp heat
Permissible ambient air temperature around the device	-4060 °C 6070 °C with derating
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 (10 Gn for 11 ms)
Height	122 mm
Width	55 mm
Depth	120 mm
Net weight	0.925 kg
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.200 cm
Package 1 Width	13.700 cm
Package 1 Length	15.200 cm
Package 1 Weight	979.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm

Package 2 Weight	10.076 kg
Offer Sustainability	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
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
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

Recommended replacement(s)