# **Product data sheet**

Specifications



## TeSys Deca contactor - 3P(3 NO) -AC-3/AC-3e - <= 440 V 40 A - 24 V DC standard coil

LC1D40ABD

#### Main

wall		
Range	TeSys TeSys Deca	
Product name	TeSys D TeSys Deca	
Product or component type	Contactor	
Device short name	LC1D	
Contactor application	Resistive load Motor control	
Utilisation category	AC-4 AC-1 AC-3 AC-3e	
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	
[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	
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 (UL / CSA)	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	
Control circuit type	DC standard	
[Uc] control circuit voltage	24 V DC	
Auxiliary contact composition	1 NO + 1 NC	
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947	
Overvoltage category		



[1b] conventional free air 10 A (at 90 °C) for signalling croat.   [1rms rated making capacity 400 A AC for signalling croat. conforming to EC 00047-6-1   200 A D (br appling could conforming to EC 00047-6-1   200 A D (br appling could conforming to EC 00047-6-1   200 A D (conformation of the prove circuit conforming to EC 00047   Rated breaking capacity 800 A 44 40 V for sover circuit conforming to EC 00047   [1cw] rated short-time withstand 200 A 0 °C - 1 for prove circuit   200 A 0 °C - 1 stor prove circuit 200 A 0 °C - 1 stor prove circuit   200 A 0 °C - 1 stor prove circuit 200 A 0 °C - 1 stor prove circuit   200 A 0 °C - 1 stor prove circuit 200 A 0 °C - 1 stor prove circuit   200 A 0 °C - 1 stor prove circuit 200 A 0 °C - 1 stor prove circuit   200 A 0 °C - 1 stor prove circuit 200 A 0 °C - 1 stor prove circuit   Associated fuse rating 10 A g 6 for signalling circuit expres circuit   Average impedance 1 s mOhn - in the 0 A 80 Hz for prove circuit   (U) rated insulation voltage Pow erocate 00 V CSA carfield   Signalling circuit 80 V conforming to EC 00047-1 Signalling circuit 80 V conforming to EC 00047-1   Signalling circuit 80 V conforming to EC 00047-1 Signalling circuit 80 V CSA carfield   Power circuit 80 V conforming to EC 00047-			
230 A EC to signaling includit conforming to EC 60847.51   Rated breaking capacity 800 A at 440 V for power circuit conforming to EC 60847   [Lew] rated short-time withhatad 200 A at 2: 10 for power circuit   22 A 40 C : 10 for power circuit 22 A 40 C : 10 for power circuit   22 A 40 C : 10 for power circuit 22 A 40 C : 10 for power circuit   22 A 40 C : 10 for power circuit 22 A 40 C : 10 for power circuit   23 A 20 A 20 C : 10 for power circuit 20 A 40 C : 10 for power circuit   10 A 4 50 for signaling circuit 100 A 40 A 20 at e 600 V condination type 2.000 Prover circuit   Average impedance 1.5 mOhn - 1h 60 A 50 Hz for power circuit   VUL catified Power circuit 600 V CSA catified   Power disal 600 V CSA catified Power circuit 600 V CSA catified   Power disal 600 V CSA catified Power circuit 600 V CSA catified   Power disal 600 V CSA catified Power circuit 600 V CSA catified   Power disal 600 V CSA catified Power circuit 600 V CSA catified   Power disal 600 V CSA catified Power circuit 600 V CSA catified   Power disal 600 V CSA catified Power circuit 600 V CSA catified   Power disalpation per pole 2.4 W AC-3 cat U te - 440 V   1.5 Ropher 3.1 EC 60047-1   Strapport			
[tex] rated short-time withstand 320 A 40 °C - 10 s for power circuit   [tex] rated short-time withstand 220 A 40 °C - 1 s for power circuit   [tex] rated short-time withstand 105 A 90 °C - 1 s for signaling circuit circuit   105 A 40 °C - 1 s for signaling circuit 100 A 1 s for signaling circuit circuit   100 A 1 s for signaling circuit circuit 100 A 90 °C - 100 were circuit   100 A 50 °C - 100 were circuit 80 A 60 °C - 60 °C coordination type 1 for power circuit   Associated fuse rating 10 A 90 °C - 90 °C coordination type 1 for power circuit   Average impedance 1.5 mOhm - th 60 A 50 Hz for power circuit   Uil rated insulation voltage Power circuit E00 °C A cartified   Power dissipating circuit E00 °C A cartified Signaling circuit E00 °C A cart field   Signaling circuit E00 °C A cart field Power circuit E00 °C A cart field   Power dissipation per pole 24 °W AC-3 at Le = 440 °V   1.5 Meydes 40 A A c-3 at Le = 440 °V 1.5 Meydes 40 A A c-3 at Le = 440 °V   1.6 Meydes 40 A A c-3 at Le = 440 °V 1.6 Meydes 40 A A c-3 at Le = 440 °V   1.6 Meydes 40 A A c-3 at Le = 440 °V 1.6 Meydes 40 A A c-3 at Le = 440 °V   1.6 Meydes 40 A A c-3 at Le = 440 °V 1.6 Meydes 40 A A c-3 at Le = 440 °V   1.6 Meydes 40 A A c-3 at Le = 440 °V 1.6 Meydes 40	Irms rated making capacity	250 A DC for signalling circuit conforming to IEC 60947-5-1	
current 720.40 °C - 15 kp power circuit   72.40 °C - 1 min for power circuit   163.40 °C - 1 min for power circuit   Aesociated fuse rating 10.46 for expending circuit contribution type 1 for power circuit   Average impedance 1.5 mOhn - 16 00 × C5A certified   Signaling circuit Controlming to EC 00047-1 Signaling circuit CON VL certified   Signaling circuit CON VL certified Power circuit CON VL certified   Signaling circuit CON VL certified Power circuit CON VL certified   Power circuit CON VL certified Power circuit CON VC CAS certified   Signaling circuit CON VC CAS certified Power circuit CON VC CAS certified   Power circuit CON VC CAS certified Power circuit CON VC CAS certified   Signaling circuit CON VC CAS certified Power circuit CAS certified   Signaling circuit CON VC CAS certified Power circuit CAS certified   Signaling circuit CON VC CAS certified Power circuit CAS certified   Signaling circuit CON VC CAS certified Power circuit CAS certified   Signaling circuit Con VC CAS certit Ext PAC -3e	Rated breaking capacity	800 A at 440 V for power circuit conforming to IEC 60947	
B0 A gG at < 600 V coordination type 1 for prover circuit		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	
Uij rated insulation voltage   Power circuit: 600 V CSA certified Power circuit: 600 V CSA certified Signalling circuit: 600 V CSA certified Signalling circuit: 600 V CSA certified Power c	Associated fuse rating	80 A gG at <= 690 V coordination type 1 for power circuit	
Power circuit: 600 V UL certified Signaling circuit: 600 V CSA certified Power circuit: 600 V CSA certified Control circuit: screw clamp terminals 2 cable(s) 1 25 mm <sup>*</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Control circuit: screw clamp terminals 2 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Control circuit: screw clamp terminals 2 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Control circuit: screw clamp terminals 2 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cable(s) 1 4 mm <sup>*</sup> bixite without cable end Power circuit: screw connection 1 cab	Average impedance	1.5 mOhm - Ith 60 A 50 Hz for power circuit	
1.5 Mcycles 40 A AC-3 at Ue < 440 V	[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	
2.4 W AC-1   2.4 W AC-3e   Front cover With   Mounting support Rail Plate   Standards CSA C22.2 No 14 EN 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 UL 506 IEC 60335-1   Product certifications CCC CSA GOST UL   Connections - terminals Control circuit: screw clamp terminals 2 cable(s) 125 mm?lexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm?lexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm?lexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm?lexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm?lexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm?lexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm?lexible without cable end Power circuit: screw connection 1 cable(s) 13 mm?lexible without cable end Power circuit: screw connection 1 cable(s) 13 mm?lexible without cable end Power circuit: screw connection 1 cable(s) 13 mm?lexible without cable end Power circuit: screw connection 1 cable(s) 13 mm?lexible with cable end Power circuit: screw connection 1 cable(s) 13 mm?lexible with cable end Power circuit: screw connection 1 cable(s) 13 mm?lexible with cable end Power circuit: 1.7 Nm - on screw clamp terminals - with screwdriver Philos No 2 Power circuit: 1.7 Nm - on screw clamp terminals - with screwdriver Philos No 2 Power circuit: 1.7 Nm - on screw clamp terminals - with screwdriver pozidir No 2 Power circuit: 2.5 Nm - on screw clamp terminals - with screwdriver pozidir No 2 Power circuit: 2.5 Nm - on screw clamp terminals - with screwdriver pozidir No 2 Power circuit: 2.5 Nm - on screw clamp terminals -	Electrical durability	1.5 Mcycles 40 A AC-3 at Ue <= 440 V	
Mounting support Rail Plate   Standards CSA C22.2 No 14 EN 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 UL 508 IEC 60335-1   Product certifications CCC CSA GOST UL   Connections - terminals Control circuit: screw clamp terminals 2 cable(s) 12.5 mm*flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm*sold without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm*sold without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm*sold without cable end Power circuit: screw connector 1 cable(s) 14 mm*sold without cable end Power circuit: screw connector 1 cable(s) 14 mm*sold without cable end Power circuit: screw connector 1 cable(s) 150 mm*flexible with cable end Power circuit: screw connector 1 cable(s) 150 mm*flexible with cable end Power circuit: screw connector 1 cable(s) 150 mm*flexible with cable end Power circuit: screw connector 1 cable(s) 150 mm*flexible with cable end Power circuit: screw connector 1 cable(s) 150 mm*flexible with cable end Power circuit: screw connector 1 cable(s) 125 mm*flexible with cable end Power circuit: screw connector 2 cable(s) 125 mm*flexible with cable end Power circuit: screw connector 2 cable(s) 125 mm*flexible with cable end Power circuit: screw connector 2 cable(s) 125 mm*flexible with cable end Power circuit: screw connector 2 cable(s) 125 mm*flexible with cable end Power circuit: screw connector 2 cable(s) 125 mm*flexible with cable end Power circuit: screw connector 2 cable(s) 125 mm*flexible with cable end Power circuit: screw connec	Power dissipation per pole	5.4 W AC-1	
Plate   Standards CSA C22.2 No 14 EN 60947-4-1 IEC 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 UL 508 IEC 60345-1   Product certifications CCC CSA GOST UL   Connections - terminals Control circuit screw clamp terminals 2 cable(s) 12.5 mm*flexible with cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible with cable end Control circuit screw clamp terminals 2 cable(s) 14 mm*flexible without cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit screw clamp terminals 2 cable(s) 14 mm*flexible without cable end Control circuit screw connection 1 cable(s) 135 mm*flexible without cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit screw connection 1 cable(s) 125 mm*flexible with cable end Power circuit 1.7 Nm - on screw clamp terminals - with screwdriver Philips No 2 Power circuit 1.7 Nm - on screw clamp terminals - with screwdriver Philips No 2 Power circuit 1.7 Nm - on screw clamp terminals - with screwdriver Philips No 2 Power circuit 2.5 Nm - on screw clamp terminals - with screwdriver Philips No 2 Power circuit 2.5 Nm -	Front cover	With	
EN 60947-4-1   EN 60947-5-1   IEC 60947-4-1   IEC 60947-5-1   UL 508   IEC 60335-1   Product certifications   CCC   CSA   GOST   UL   Connections - terminals   Control circuit screw clamp terminals 2 cable(s) 125 mm*flexible with cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit screw clamp terminals 1 cable(s) 14 mm*flexible without cable end Control circuit screw connection 1 cable(s) 14 mm*flexible without cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible without cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible without cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit: screw connection 1 cable(s) 135 mm*flexible with cable end Power circuit: 1.7 N m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiri No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiri No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiri No 2 Power circuit: 5 N.m	Mounting support		
CSA GOST UL   Connections - terminals Control circuit: screw clamp terminals 2 cable(s) 12.5 mm³flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm³flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm³flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm³flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm³flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm³flexible without cable end Power circuit: screw connection 1 cable(s) 135 mm³flexible without cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm³flexible with cable end Power circuit: screw connection 2 cable(s) 125 mm³solid without cable end Power circuit: screw connection 2 cable(s) 125 mm²solid without cable end Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philps No 2 Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 2535 mm³ 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 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwd	Standards	EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508	
Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end   Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end   Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end   Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end   Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end   Power circuit: screw connection 1 cable(s) 135 mm²flexible without cable end   Power circuit: screw connection 2 cable(s) 135 mm²flexible without cable end   Power circuit: screw connection 2 cable(s) 135 mm²flexible with cable end   Power circuit: screw connection 2 cable(s) 135 mm²flexible with cable end   Power circuit: screw connection 2 cable(s) 135 mm²flexible end   Power circuit: screw connection 2 cable(s) 135 mm²flexible end   Power circuit: screw connection 2 cable(s) 135 mm²flexible end   Power circuit: screw connection 2 cable(s) 135 mm²flexible end   Power circuit: screw connection 2 cable(s) 135 mm²flexible end   Power circuit: screw connection 2 cable(s) 125 mm²flexible end   Power circuit: screw connection 2 cable(s) 125 mm²flexible end   Power circuit: screw connection 2 cable(s) 125 mm²flexible end   Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2   Power circuit: 8 N.m - on EverLink BTR screw connect	Product certifications	CSA GOST	
Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2   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 125 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   Power circuit: 2.5 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   Power circuit: 2.5 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   Power circuit: 2.5 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   Power circuit: 2.5 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   Blod = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1   Blod = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1   Mechanical durability 10 Mcycles	Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 14 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm <sup>2</sup> solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm <sup>2</sup> solid without cable end Power circuit: screw connection 1 cable(s) 135 mm <sup>2</sup> flexible without cable end Power circuit: screw connection 2 cable(s) 125 mm <sup>2</sup> flexible with cable end Power circuit: screw connection 1 cable(s) 135 mm <sup>2</sup> flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm <sup>2</sup> flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm <sup>2</sup> flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm <sup>2</sup> flexible with cable end Power circuit: screw connection 2 cable(s) 135 mm <sup>2</sup> flexible with cable end Power circuit: screw connection 1 cable(s) 135 mm <sup>2</sup> flexible with cable end	
1624 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 10 Mcycles	Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm <sup>2</sup> hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 125 mm <sup>2</sup> hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	
B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1   Mechanical durability 10 Mcycles	Operating time	•	
	Safety reliability level	· · ·	
Maximum operating rate 3600 cyc/h 60 °C	Mechanical durability	10 Mcycles	
	Maximum operating rate	3600 cyc/h 60 °C	

#### Complementary

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	
Climatic withstand	conforming to IACS E10 conforming to IEC 60947-1 Annex Q category D	
Protective treatment	TH conforming to IEC 60068-2-30	
Pollution degree	3	
Ambient air temperature for operation	-40…60 °C 60…70 °C with derating	
Ambient air temperature for storage	-6080 °C	
Operating altitude	03000 m	
Fire resistance	850 °C conforming to IEC 60695-2-1	
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 Weight	989.0 g
Package 1 Height	6.2 cm
Package 1 width	13.7 cm
Package 1 Length	15.2 cm
Unit Type of Package 2	S02
Number of Units in Package 2	10

Package 2 Weight	10.278 kg
Package 2 Height	15.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Weight	177.86 kg
Package 3 Height	77.0 cm
Package 3 width	80.0 cm
Package 3 Length	60.0 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 Product out of China RoHS scope. Substance declaration for your information	
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

18 months

## Product data sheet

**Dimensions Drawings** 

#### Dimensions



### (1) Minimum electrical clearance

LC1 D40AD65A		D40AD65A
a		55
b1	with LAD 4BB3	136
	with LA4 DF, DT	157
c	without cover or add-on blocks	118
	with cover, without add-on blocks	120
c1	with LAD N (1 contact)	-
	with LAD N or C (2 or 4 contacts)	150
c2	with LA6 DK10	163
c3	with LAD T, R, S	171
	with LAD T, R, S and sealing cover	175

## **Product data sheet**

LC1D40ABD

Connections and Schema

Wiring

