Standard control unit, TeSys Ultra, 3A to 12A, 3P motors, thermal magnetic protection, class 10, coil 24VAC

LUCA12B

Product availability: Stock - Normally stocked in distribution facility

Main

TeSys
TeSys Ultra
TeSys Ultra
LUCA
Standard control unit
Motor control Motor protection
Basic protection requirements for motor starters: overload and short-circuit
Protection against phase failure and phase imbalance Protection against overload and short-circuit Manual reset Earth fault protection
Power base LUB12 Power base LUB32 Power base LUB38 Power base LUB120 Power base LUB320 Power base LUB380 Reversing contactor breaker LU2B12B Reversing contactor breaker LU2B32B
690 V AC
4060 Hz
3-phase motor self-cooled
AC-44 AC-41 AC-43
5.5 kW 400440 V AC 50/60 Hz 5.5 kW 500 V AC 50/60 Hz 9 kW 690 V AC 50/60 Hz
312 A
Class 10 4060 Hz -13158 °F (-2570 °C) IEC 60947-6-2 Class 10 4060 Hz -13158 °F (-2570 °C) UL 508
14.2 x lr +/- 20 %
Yes
24 V AC

Complementary

Complementary	
Control circuit voltage limits	2026.5 V AC 24 V in operation 14.5 V AC 24 V drop-out
Typical current consumption	140 mA 24 V AC I maximum while closing with LUB12 220 mA 24 V AC I maximum while closing with LUB32 220 mA 24 V AC I maximum while closing with LUB38 70 mA 24 V AC I rms sealed with LUB12 90 mA 24 V AC I rms sealed with LUB32 90 mA 24 V AC I rms sealed with LUB38
Heat dissipation	2 W control circuit with LUB12 3 W control circuit with LUB32 3 W control circuit with LUB38
Operating time	35 ms opening with LUB12 control circuit 35 ms opening with LUB32 control circuit 35 ms opening with LUB38 control circuit 70 ms closing with LUB12 control circuit 70 ms closing with LUB32 control circuit 70 ms closing with LUB38 control circuit
Standards	EN 60947-6-2 IEC 60947-6-2 UL 60947-4-1, with phase barrier CSA C22.2 No 60947-4-1, with phase barrier
Product Certifications [Hi] retad insulation valters	CE UL CSA CCC EAC ASEFA ATEX Marine
[Ui] rated insulation voltage	690 V IEC 60947-6-2 600 V UL 60947-4-1 600 V CSA C22.2 No 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-6-2
Safe separation of circuit	400 V SELV between the control and auxiliary circuits IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit IEC 60947-1
Fixing mode	Plug-in front face)
Width	1.77 in (45 mm)
Height	2.60 in (66 mm)
Depth	2.36 in (60 mm)
Net Weight	0.30 lb(US) (0.135 kg)
Compatibility code	LUCA
Environment	
IP degree of protection	IP20 front panel and wired terminals IEC 60947-1 IP20 other faces IEC 60947-1 IP40 front panel outside connection zone IEC 60947-1
Protective treatment	TH IEC 60068
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient Air Temperature for	-40185 °F (-4085 °C)
Storage	
Storage Operating altitude	6561.68 ft (2000 m)
	6561.68 ft (2000 m) 1760 °F (960 °C) parts supporting live components IEC 60695-2-12 1202 °F (650 °C) IEC 60695-2-12
Operating altitude	1760 °F (960 °C) parts supporting live components IEC 60695-2-12

Resistance to electrostatic	8 kV 3 in open air IEC 61000-4-2
discharge	8 kV 4 on contact IEC 61000-4-2
Non-dissipating shock wave	1 kV serial mode IEC 60947-6-2
	2 kV common mode IEC 60947-6-2
Resistance to radiated fields	9.14 V/m (10 V/m) 3 IEC 61000-4-3
Resistance to fast transients	2 kV 3 serial link IEC 61000-4-4
	4 kV 4 all circuits except for serial link IEC 61000-4-4
Immunity to radioelectric fields	10 V IEC 61000-4-6
Immunity to microbreaks	3 ms
Immunity to voltage dips	70 % / 500 ms IEC 61000-4-11

Ordering and shipping details

Category	22397-TESYS U - CNTRL MOD(LUCA,LUCD)
Discount Schedule	I11
GTIN	3389110363913
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.06 in (10.3 cm)
Package 1 Width	2.05 in (5.2 cm)
Package 1 Length	3.15 in (8.0 cm)
Package 1 Weight	4.30 oz (122.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	23
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	6.76 lb(US) (3.065 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
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.
PVC free	Yes
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty

18 months

Recommended replacement(s)