Product data sheet

Specifications





Advanced control unit, TeSys Ultra, 1.25A to 5A, 1P motors, protection & diagnostic, class 10, coil 24VDC

LUCC05BL

Product availability: Stock - Normally stocked in distribution facility

Price*: 150.00 USD

Main

mann		
Range	TeSys	
Range Of Product	TeSys Ultra	
Product Name	TeSys Ultra	
Device Short Name	LUCC	
Product Or Component Type	Advanced control unit	
Device Application	Motor control Motor protection	
Product Specific Application	Basic protection and advanced functions, communication	
Main Function Available	Protection against phase failure and phase imbalance Protection against overload and short-circuit Manual reset Earth fault protection	
Product Compatibility	Power base LUB12 Power base LUB32 Power base LUB38 Power base LUB120 Power base LUB320 Power base LUB380 Reversing contactor breaker LU2B12BL Reversing contactor breaker LU2B32BL Reversing contactor breaker LU2B38BL	
[Ue] Rated Operational Voltage	690 V AC	
Network Frequency	4060 Hz	
Load Type	Single-phase motor	
Utilisation Category	AC-43 AC-41 AC-44	
Motor Power Kw	0.55 kW 400440 V AC 50/60 Hz 1 phase	
Rated Motor Current Adjustment Range	t 1.255 A	
Thermal Overload Class	Class 10 4060 Hz -13131 °F (-2555 °C) IEC 60947-6-2 Class 10 4060 Hz -13131 °F (-2555 °C) UL 508	
Tripping Threshold	14.2 x lr +/- 20 %	
[Uc] Control Circuit Voltage	24 V DC	

Complementary

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Life Is On Schneider

Control Circuit Voltage Limits	2027 V DC 24 V in operation
	14.5 V DC 24 V drop-out
Typical Current Consumption	130 mA 24 V DC I maximum while closing with LUB12
	220 mA 24 V DC I maximum while closing with LUB32
	220 mA 24 V DC I maximum while closing with LUB38
	60 mA 24 V DC I rms sealed with LUB12
	80 mA 24 V DC I rms sealed with LUB32
	80 mA 24 V DC I rms sealed with LUB38
Heat Dissination	
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
Reset	Manual reset
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	CE
	UL
	CSA
	CCC
	EAC
	ASEFA
	ATEX
	Marine
[Ui] Rated Insulation Voltage	690 V IEC 60947-6-2
Long hated insulation voltage	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)

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 Storage	-40185 °F (-4085 °C)
Operating Altitude	6561.68 ft (2000 m)
Fire Resistance	1760 °F (960 °C) parts supporting live components IEC 60695-2-12 1202 °F (650 °C) IEC 60695-2-12
Shock Resistance	10 gn power poles open IEC 60068-2-27 15 gn power poles closed IEC 60068-2-27
Vibration Resistance	2 gn 5300 Hz power poles open IEC 60068-2-6 4 gn 5300 Hz power poles closed IEC 60068-2-6

2

Resistance To Electrostatic Discharge	8 kV 3 in open air IEC 61000-4-2 8 kV 4 on contact IEC 61000-4-2	
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	s 10 V IEC 61000-4-6	
Immunity To Microbreaks	crobreaks 3 ms	
Immunity To Voltage Dips 70 % / 500 ms IEC 61000-4-11		

Ordering and shipping details

Category	US10I1122397
Discount Schedule	0l11
Gtin	3389110364484
Returnability	Yes
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	3.15 in (8.0 cm)
Package 1 Length	3.94 in (10.0 cm)
Package 1 Weight	3.95 oz (112.0 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	6.39 lb(US) (2.898 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

Halogen Free Plastic Parts Product

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information