Product data sheet

Specifications





Standard control unit, TeSys Ultra, 3A to 12 A, class 10, 110 to 220VDC/AC

LUCA12FU

Product availability: Stock - Normally stocked in distribution facility

Price*: 120.00 USD

Main

Range	TeSys
Range Of Product	TeSys Ultra
Product Name	TeSys Ultra
Device Short Name	LUCA
Product Or Component Type	Standard control unit
Device Application	Motor control Motor protection
Product Specific Application	Basic protection requirements for motor starters: overload and short-circuit
Main Function Available	Protection against overload and short-circuit Manual reset Earth fault protection Protection against phase failure and phase imbalance
Product Compatibility	Power base LUB12 Power base LUB32 Power base LUB38 Power base LUB120 Power base LUB320 Power base LUB380 Reversing contactor breaker LU2B12FU Reversing contactor breaker LU2B32FU Reversing contactor breaker LU2B38FU
[Ue] Rated Operational Voltage	690 V AC
Network Frequency	4060 Hz
Load Type	3-phase motor self-cooled
Utilisation Category	AC-41 AC-43 AC-44
Motor Power Kw	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
Rated Motor Current Adjustment Range	312 A
Thermal Overload Class	Class 10 4060 Hz -13158 °F (-2570 °C) IEC 60947-6-2 Class 10 4060 Hz -13158 °F (-2570 °C) UL 508
Tripping Threshold	14.2 x lr +/- 20 %
Phase Failure Sensitivity	Yes
[Uc] Control Circuit Voltage	110240 V AC 110220 V DC

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

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Complementary

Control Circuit Voltage Limits	88264 V AC 110240 V in operation
Ū	88242 V DC 110220 V in operation
	55 V AC 110240 V drop-out
	55 V DC 110220 V drop-out
Typical Current Consumption	280 mA 110240 V AC I maximum while closing with LUB12
	280 mA 110240 V AC I maximum while closing with LUB32
	280 mA 110240 V AC I maximum while closing with LUB38
	280 mA 110220 V DC I maximum while closing with LUB12
	280 mA 110220 V DC I maximum while closing with LUB32
	280 mA 110220 V DC I maximum while closing with LUB38
	35 mA 110240 V AC I rms sealed with LUB12
	25 mA 110240 V AC I rms sealed with LUB32
	25 mA 110240 V AC I rms sealed with LUB38
	35 mA 110220 V DC I rms sealed with LUB12
	25 mA 110220 V DC I rms sealed with LUB32 25 mA 110220 V DC 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
	50 ms closing with LUB12 control circuit
	50 ms closing with LUB32 control circuit
	50 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	CE
	UL
	CSA
	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
Sale Separation of Orcuit	400 V SELV between the control and auxiliary circuits lec 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 Storage	-40185 °F (-4085 °C)

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	
10 gn power poles open IEC 60068-2-27	
15 gn power poles closed IEC 60068-2-27	
2 gn 5…300 Hz power poles open IEC 60068-2-6	
4 gn 5300 Hz power poles closed IEC 60068-2-6	
8 kV 3 in open air IEC 61000-4-2	
8 kV 4 on contact IEC 61000-4-2	
1 kV serial mode IEC 60947-6-2	
2 kV common mode IEC 60947-6-2	
9.14 V/m (10 V/m) 3 IEC 61000-4-3	
2 kV 3 serial link IEC 61000-4-4	
4 kV 4 all circuits except for serial link IEC 61000-4-4	
10 V IEC 61000-4-6	
3 ms	
70 % / 500 ms IEC 61000-4-11	
	1760 °F (960 °C) parts supporting live components IEC 60695-2-12 1202 °F (650 °C) IEC 60695-2-12 10 gn power poles open IEC 60068-2-27 15 gn power poles closed IEC 60068-2-27 2 gn 5300 Hz power poles open IEC 60068-2-6 4 gn 5300 Hz power poles closed IEC 60068-2-6 8 kV 3 in open air IEC 61000-4-2 8 kV 4 on contact IEC 61000-4-2 1 kV serial mode IEC 60947-6-2 2 kV common mode IEC 60947-6-2 9.14 V/m (10 V/m) 3 IEC 61000-4-3 2 kV 3 serial link IEC 61000-4-4 4 kV 4 all circuits except for serial link IEC 61000-4-4 10 V IEC 61000-4-6 3 ms

Ordering and shipping details

Category	US10I1122397
Discount Schedule	0111
Gtin	3389110364033
Returnability	Yes
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.02 in (10.200 cm)
Package 1 Width	2.01 in (5.100 cm)
Package 1 Length	3.15 in (8.000 cm)
Package 1 Weight	4.41 oz (125.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	23
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	6.97 lb(US) (3.160 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen

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