

# Product data sheet

Specifications



## Standard control unit, TeSys Ultra, 8A to 32A class 10, 110 to 220VDC/AC

LUCA32FU

**Product availability : Stock - Normally stocked in distribution facility**

### Main

<b>Range</b>	TeSys
<b>Range of Product</b>	TeSys Ultra
<b>Product name</b>	TeSys Ultra
<b>Device short name</b>	LUCA
<b>Product or Component Type</b>	Standard control unit
<b>Device Application</b>	Motor control Motor protection
<b>Product Specific Application</b>	Basic protection requirements for motor starters: overload and short-circuit
<b>Main function available</b>	Earth fault protection Protection against phase failure and phase imbalance Protection against overload and short-circuit Manual reset
<b>Product compatibility</b>	Power base LUB32 Power base LUB38 Power base LUB320 Power base LUB380 Reversing contactor breaker LU2B32FU Reversing contactor breaker LU2B38FU
<b>[Ue] rated operational voltage</b>	690 V AC
<b>Network frequency</b>	40...60 Hz
<b>Load type</b>	3-phase motor self-cooled
<b>Utilisation category</b>	AC-43 AC-41 AC-44
<b>Motor power kW</b>	15 kW 400...440 V AC 50/60 Hz 15 kW 500 V AC 50/60 Hz 18.5 kW 690 V AC 50/60 Hz
<b>Rated motor current adjustment range</b>	8...32 A
<b>Thermal overload class</b>	Class 10 40...60 Hz -13...158 °F (-25...70 °C) IEC 60947-6-2 Class 10 40...60 Hz -13...158 °F (-25...70 °C) UL 508
<b>Tripping threshold</b>	14.2 x I <sub>r</sub> +/- 20 %
<b>Phase failure sensitivity</b>	Yes
<b>[Uc] control circuit voltage</b>	110...240 V AC 110...220 V DC

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

## Complementary

<b>Control circuit voltage limits</b>	88...264 V AC 110...240 V in operation 88...242 V DC 110...220 V in operation 55 V AC 110...240 V drop-out 55 V DC 110...220 V drop-out
<b>Typical current consumption</b>	280 mA 110...240 V AC I maximum while closing with LUB32 280 mA 110...240 V AC I maximum while closing with LUB38 280 mA 110...220 V DC I maximum while closing with LUB32 280 mA 110...220 V DC I maximum while closing with LUB38 25 mA 110...240 V AC I rms sealed with LUB32 25 mA 110...240 V AC I rms sealed with LUB38 25 mA 110...220 V DC I rms sealed with LUB32 25 mA 110...220 V DC I rms sealed with LUB38
<b>Heat dissipation</b>	3 W control circuit with LUB32 3 W control circuit with LUB38
<b>Operating time</b>	35 ms opening with LUB32 control circuit 35 ms opening with LUB38 control circuit 50 ms closing with LUB32 control circuit 50 ms closing with LUB38 control circuit
<b>Standards</b>	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
<b>Product Certifications</b>	CE UL CSA CCC EAC ASEFA ATEX Marine
<b>[Ui] rated insulation voltage</b>	690 V IEC 60947-6-2 600 V UL 60947-4-1 600 V CSA C22.2 No 60947-4-1
<b>[Uimp] rated impulse withstand voltage</b>	6 kV IEC 60947-6-2
<b>Safe separation of circuit</b>	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
<b>Fixing mode</b>	Plug-in front face)
<b>Width</b>	1.77 in (45 mm)
<b>Height</b>	2.60 in (66 mm)
<b>Depth</b>	2.36 in (60 mm)
<b>Net Weight</b>	0.30 lb(US) (0.135 kg)
<b>Compatibility code</b>	LUCA

## Environment

<b>IP degree of protection</b>	IP20 front panel and wired terminals IEC 60947-1 IP20 other faces IEC 60947-1 IP40 front panel outside connection zone IEC 60947-1
<b>Protective treatment</b>	TH IEC 60068
<b>Ambient air temperature for operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Operating altitude</b>	6561.68 ft (2000 m)
<b>Fire resistance</b>	1760 °F (960 °C) parts supporting live components IEC 60695-2-12 1202 °F (650 °C) IEC 60695-2-12
<b>Shock resistance</b>	10 gn power poles open IEC 60068-2-27 15 gn power poles closed IEC 60068-2-27
<b>Vibration resistance</b>	2 gn 5...300 Hz power poles open IEC 60068-2-6 4 gn 5...300 Hz power poles closed IEC 60068-2-6

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

## Ordering and shipping details

<b>Category</b>	22397-TESYS U - CNTRL MOD(LUCA,LUCD)
<b>Discount Schedule</b>	l11
<b>GTIN</b>	3389110364057
<b>Returnability</b>	Yes
<b>Country of origin</b>	FR

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.09 in (5.3 cm)
<b>Package 1 Width</b>	3.15 in (8.0 cm)
<b>Package 1 Length</b>	4.06 in (10.3 cm)
<b>Package 1 Weight</b>	4.41 oz (125.0 g)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	23
<b>Package 2 Height</b>	5.91 in (15.0 cm)
<b>Package 2 Width</b>	11.81 in (30.0 cm)
<b>Package 2 Length</b>	15.75 in (40.0 cm)
<b>Package 2 Weight</b>	7.09 lb(US) (3.214 kg)

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
<b>PVC free</b>	Yes
<b>Halogen content performance</b>	Halogen free plastic parts product

# Contractual warranty

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Warranty 18 months

Recommended replacement(s)