

Product datasheet

Specifications



Advanced control unit. TeSys U. 0.35-1.05A. 3P motors. protection & diagnostic. class 10. coil 24V DC

LUCBT1BL

⚠ Discontinued on: 02 Jan 2024

⚠ Discontinued

Price: 2,109.59 ZAR

Main

Range	TeSys
Range Of Product	TeSys Ultra
Device Short Name	LUCB
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 Earth fault protection Manual reset
Product Compatibility	Power base LUTM
Network Frequency	40...60 Hz
Load Type	3-phase motor - cooling: self-cooled
Utilisation Category	AC-41 AC-44 AC-43
Rated Motor Current Adjustment Range	0.35...1.05 A
Thermal Overload Class	Class 10 - frequency limit: 40...60 Hz - temperature compensation: -25...70 °C conforming to IEC 60947-6-2 Class 10 - frequency limit: 40...60 Hz - temperature compensation: -25...70 °C conforming to UL 508
Tripping Threshold	14.2 x I _r +/- 20 %
Phase Failure Sensitivity	Yes
[Uc] Control Circuit Voltage	24 V DC

Complementary

Control Circuit Voltage Limits	20...28 V for DC circuit 24 V in operation 14.5 V for DC circuit 24 V drop-out
Typical Current Consumption	130 mA at 24 V DC I maximum while closing 60 mA at 24 V DC I rms sealed
Heat Dissipation	2 W for control circuit
Operating Time	35 ms opening for control circuit 70 ms closing for control circuit
Reset	Manual reset

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Standards	EN 60947-6-2 IEC 60947-6-2 UL 508 CSA C22.2 No 14
Product Certifications	UL CSA
[Ui] Rated Insulation Voltage	250 V conforming to IEC 60947-6-2 250 V conforming to UL 60947-4-1 250 V conforming to CSA C22.2 No 60947-4-1
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to IEC 60947-6-2
Fixing Mode	Plug-in (front face)
Width	45 mm
Height	66 mm
Depth	60 mm
Compatibility Code	LUCB

Environment

Ip Degree Of Protection	IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1
Protective Treatment	TH conforming to IEC 60068
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-40...85 °C
Operating Altitude	2000 m
Fire Resistance	960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12
Shock Resistance	10 gn power poles open conforming to IEC 60068-2-27 15 gn power poles closed conforming to IEC 60068-2-27
Vibration Resistance	2 gn, 5...300 Hz, power poles open conforming to IEC 60068-2-6 4 gn, 5...300 Hz, power poles closed conforming to IEC 60068-2-6
Resistance To Electrostatic Discharge	8 kV level 3 in open air conforming to IEC 61000-4-2 8 kV level 4 on contact conforming to IEC 61000-4-2
Non-Dissipating Shock Wave	1 kV serial mode conforming to IEC 60947-6-2 2 kV common mode conforming to IEC 60947-6-2
Resistance To Radiated Fields	10 V/m 3 conforming to IEC 61000-4-3
Resistance To Fast Transients	2 kV class 3 serial link conforming to IEC 61000-4-4 4 kV class 4 all circuits except for serial link conforming to IEC 61000-4-4
Immunity To Radioelectric Fields	10 V conforming to IEC 61000-4-6
Immunity To Microbreaks	3 ms
Immunity To Voltage Dips	70 % / 500 ms conforming to IEC 61000-4-11

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	8 cm
Package 1 Length	10 cm
Package 1 Weight	132 g

Unit Type Of Package 2	S02
Number Of Units In Package 2	23
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.349 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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](#)