

Product availability: Stock - Normally stocked in distribution facility



Main

Range	TeSys
Product name	TeSys U
Device short name	LUCA
Product or component type	Standard control unit
Product specific application	Basic protection requirements for motor starters: overload and short-circuit
Product compatibility	LUFN.. LUFC00
Utilisation category	AC-44 AC-43 AC-41
Motor power kW	9 kW at 690 V AC 50/60 Hz 5.5 kW at 400...440 V AC 50/60 Hz 5.5 kW at 500 V AC 50/60 Hz
Thermal protection adjustment range	3...12 A
[Uc] control circuit voltage	24 V AC
Thermal overload class	Class 10 - frequency limit: 40...60 Hz - temperature compensation: -13...158 °F (-25...70 °C) - conforming to IEC 60947-6-2 Class 10 - frequency limit: 40...60 Hz - temperature compensation: -13...158 °F (-25...70 °C) - conforming to UL 508 Class 20 - frequency limit: 40...60 Hz - temperature compensation: -13...158 °F (-25...70 °C) - conforming to IEC 60947-6-2 Class 20 - frequency limit: 40...60 Hz - temperature compensation: -13...158 °F (-25...70 °C) - conforming to UL 508

Complementary

Main function available	Manual reset Protection against phase failure and phase imbalance Earth fault protection Protection against overload and short-circuit
Mounting mode	Plug-in
Mounting location	Front side
Control circuit voltage limits	20...26.5 V AC circuit 24 V in operation
Typical current consumption	140 mA at 24 V AC I maximum while closing with LUB12 220 mA at 24 V AC I maximum while closing with LUB32 70 mA at 24 V AC I rms sealed with LUB12 90 mA at 24 V AC I rms sealed with LUB32
Operating time	35 ms opening with LUB12 control circuit 35 ms opening with LUB32 control circuit 70 ms closing with LUB12 control circuit 70 ms closing with LUB32 control circuit
Load type	3-phase motor - cooling: self-cooled
Tripping threshold	14.2 x Ir +/- 20 %
[Ui] rated insulation voltage	600 V conforming to CSA C22.2 No 14 600 V conforming to UL 508 690 V conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-6-2

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Safe separation of circuit	400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1
Product weight	0.3 lb(US) (0.135 kg)

Environment

Heat dissipation	2 W control circuit with LUB12 3 W control circuit with LUB32
Immunity to microbreaks	3 ms
Immunity to voltage dips	70 % 500 ms conforming to IEC 61000-4-11
Standards	CSA C22.2 No 14 type E EN 60947-6-2 IEC 60947-6-2 UL 508 type E with phase barrier
Product certifications	LROS (Lloyds register of shipping) UL ATEX ASEFA CSA ABS CCC BV DNV GL GOST
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	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Operating altitude	6561.68 ft (2000 m)
Fire resistance	1202 °F (650 °C) conforming to IEC 60695-2-12 1760 °F (960 °C) parts supporting live components 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	9.14 V/yd (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

Ordering and shipping details

Category	22397 - TESYS U - CNTRL MOD(LUCA,LUCD)
Discount Schedule	I11
GTIN	00785901221890
Nbr. of units in pkg.	1
Package weight(Lbs)	0.31
Returnability	Y
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1015 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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