Product datasheet

Specifications

Standard control unit, TeSys U, 9.5-38A, 3P motors, thermal magnetic protection, class 10, coil 24V DC

Local distributor code:

425225541 LUCA38BL

EAN Code: 3389111493701

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 phase failure and phase imbalance Protection against overload and short-circuit Earth fault protection Manual reset
Product compatibility	Power base LUB38 Power base LUB380 Reversing contactor breaker LU2B38BL
[Ue] rated operational voltage	690 V AC
Network frequency	40...60 Hz
Load type	3-phase motor - cooling: self-cooled
Utilisation category	AC-43
Motor power kW	18.5 kW at 400...440 V AC 50/60 Hz 18.5 kW at 500 V AC 50/60 Hz 22 kW at 690 V AC 50/60 Hz
rated motor current adjustment range	9.5…38 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 Ir +/- 20 %
Phase failure sensitivity	Yes
[Uc] control circuit voltage	24 V DC

Complementary

Control circuit voltage limits	20...27 V for DC circuit 24 V in operation 14.5 V for DC circuit 24 V drop-out
Typical current consumption	220 mA at 24 V DC I maximum while closing with LUB38 80 mA at 24 V DC I rms sealed with LUB38
Heat dissipation	3 W for control circuit with LUB38

Operating time	35 ms opening with LUB38 for control circuit 70 ms closing with LUB38 for 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 CCC (pending) EAC (pending)
[Ui] rated insulation voltage	690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to CSA C22.2 No 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-6-2
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
Fixing mode	Plug-in (front face)
Width	45 mm
Height	66 mm
Depth	60 mm
Net weight	0.135 kg
Compatibility code	LUCA

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
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	5.200 cm
Package 1 Width	8.300 cm
Package 1 Length	8.800 cm
Package 1 Weight	124.000 g

Logistical informations

Country of origin	FR

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	35
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	801f74dc-0e56-49a3-aaeb-b34d99dcea36
REACh Regulation	REACh Declaration
Halogen content performance	Halogen free plastic parts product
PVC free	Yes

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins