

LUCMX6BL

multifunction control unit LUCM - class 5...30 -
0.15...0.6 A - 24 V DC

Product availability : Non-Stock - Not normally stocked in distribution facility



Price** : 615.00 USD



LUCMX6BL has not been replaced. Please contact your customer care center for more information.

Main

Range	TeSys
Product name	TeSys U
Device short name	LUCM
Product or component type	Multifunction control unit
Product specific application	Most sophisticated control and protection requirements, with display
Product compatibility	LULC033 LULC09 LUFN.. ASILUFC51 LULC07 LUF00 LUFV2 ASILUFC5 LULC15 LULC08 LULC031
Utilisation category	AC-43 AC-44 AC-41
Motor power kW	0.09 kW 400...440 V AC 50/60 Hz
Thermal protection adjustment range	0.15...0.6 A
[Uc] control circuit voltage	24 V DC
Thermal overload class	Class 5...30 50...60 Hz -13...131 °F (-25...55 °C) IEC 60947-6-2 Class 5...30 50...60 Hz -13...131 °F (-25...55 °C) UL 508
User language	English factory setting English, French, German, Italian, Spanish settable

Complementary

Main function available	Earth fault protection Manual or automatic reset Protection function alarm
-------------------------	----------------------------------------------------------------------------------

	Protection against overload and short-circuit Protection against phase failure and phase imbalance Log function Monitoring function, indication of main motor parameters Differentiation of thermal overload and magnetic fault Overload, no-load running
Mounting mode	Plug-in
Mounting location	Front side
Control circuit voltage limits	20...28 V DC 24 V in operation
Typical current consumption	150 mA 24 V DC I maximum while closing with LUB12 200 mA 24 V DC I maximum while closing with LUB32 70 mA 24 V DC I rms sealed with LUB12 75 mA 24 V DC I rms sealed
Operating time	35 ms opening with LUB12 control circuit 35 ms opening with LUB32 control circuit 65 ms closing with LUB32 control circuit 75 ms closing with LUB12 control circuit
Load type	Single-phase motor self-cooled, force cooled settable 3-phase motor self-cooled, force cooled settable
Tripping threshold	14.2 x I _r +/- 20 %
Physical interface	RS485 multidrop RJ45 front panel Modbus RTU 19200 bit/s
Return time	<= 200 ms
Messages display capacity	2 lines of 12 characters LCD - English +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - French +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - German +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - Italian +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - Spanish +/- 5 % 1 % of I _r
Reset	Automatic reset setting range Manual factory setting Manual setting range Remote reset setting range
Time before reset	1...1000 s manual or automatic reset settable 120 s manual factory setting
Information displayed	Average current factory setting) Average current settable) Cause of last 5 faults settable) Current in phase settable) Earth leakage current settable) Phase imbalance settable) Thermal state of motor settable)
[U _i] rated insulation voltage	600 V UL 508 690 V IEC 60947-1 600 V CSA C22.2 No 14
[U _{imp}] rated impulse withstand voltage	6 kV IEC 60947-6-2
Safe separation of circuit	400 V SELV between the control and auxiliary circuits IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit IEC 60947-1
Net weight	0.39 lb(US) (0.175 kg)

Environment

Heat dissipation	1.7 W control circuit with LUB12 1.8 W control circuit with LUB32 0.8 W external auxiliary circuit
Immunity to microbreaks	3 ms
Immunity to voltage dips	70 % / 500 ms IEC 61000-4-11
Standards	UL 508 type E, with phase barrier EN 60947-6-2 IEC 60947-6-2 CSA C22.2 No 14 type E
Product certifications	LROS (Lloyds register of shipping) ATEX UL GOST ASEFA BV CCC

DNV
ABS
GL
CSA

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	-13...131 °F (-25...55 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Operating altitude	6561.68 ft (2000 m)
Fire resistance	1760 °F (960 °C) parts supporting live components IEC 60695-2-12 1202 °F (650 °C) IEC 60695-2-12
Shock resistance	10 gn power poles open IEC 60068-2-27 15 gn power poles closed IEC 60068-2-27
Vibration resistance	2 gn 5...300 Hz power poles open IEC 60068-2-6 4 gn 5...300 Hz power poles closed IEC 60068-2-6
Resistance to electrostatic discharge	8 kV 3 in open air IEC 61000-4-2 8 kV 4 on contact IEC 61000-4-2
Non-dissipating shock wave	1 kV serial mode IEC 60947-6-2 2 kV common mode IEC 60947-6-2
Resistance to radiated fields	9.14 V/m (10 V/m) 3 IEC 61000-4-3
Resistance to fast transients	2 kV 3 serial link IEC 61000-4-4 4 kV 4 all circuits except for serial link IEC 61000-4-4
Immunity to radioelectric fields	10 V IEC 61000-4-6

Ordering and shipping details

Category	22398 - TESYS U - MULTI-FCTN CTRL MOD(LUCM)
Discount Schedule	I11
GTIN	00785901276357
Package weight(Lbs)	0.18 kg (0.39 lb(US))
Returnability	No
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
----------	-----------