

# Product datasheet

## Characteristics

# LU2MB0BL

Reverser block for vertical mounting, TeSys U,  
38A/690V, coil 24V DC



### Main

Range	TeSys
Device short name	LU2MB
Product or component type	Reverser block
Device mounting	Direct mounting
Device application	Motor control
[Ie] rated operational current	38 A
[Uc] control circuit voltage	24 V DC
Current consumption	120 mA at 24 V DC I maximum while closing 120 mA at 24 V DC I rms sealed

### Complementary

[Ue] rated operational voltage	690 V AC power circuit
Network frequency	40...60 Hz
Inrush restraint duration	25 ms AC 15 ms DC
Operating time	150 ms with change of direction 75 ms without change of direction
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 EAC ASEFA ATEX Marine
[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
Fixing mode	Plug-in
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 0.34...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) rigid Control circuit: screw clamp terminals 2 cable(s) 0.34...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) rigid Power circuit: screw clamp terminals 1 cable(s) 1...10 mm <sup>2</sup> (external diameter: 4 mm) rigid Power circuit: screw clamp terminals 1 cable(s) 1...6 mm <sup>2</sup> (external diameter: 4 mm) flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 2.5...10 mm <sup>2</sup> (external diameter: 4 mm) flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> (external diameter: 4 mm) flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> (external diameter: 4 mm) rigid Power circuit: screw clamp terminals 2 cable(s) 1.5...6 mm <sup>2</sup> (external diameter: 4 mm) flexible without cable end
Tightening torque	Control circuit: 0.8...1.2 N.m flat screwdriver 5 mm Control circuit: 0.8...1.2 N.m Philips No 2 screwdriver 5 mm Power circuit: 1.9...2.5 N.m flat screwdriver 6 mm Power circuit: 1.9...2.5 N.m Philips No 2 screwdriver 6 mm
Width	45 mm
Height	80 mm
Depth	105 mm
Net weight	0.4 kg
Compatibility code	LU2MB

## Environment

IP degree of protection	IP20 conforming to IEC 60947-1 (front panel and wired terminals) IP20 conforming to IEC 60947-1 (other faces) IP40 conforming to IEC 60947-1 (front panel outside connection zone)
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-25...60 °C with LUCM -25...70 °C with LUCA, LUCB, LUCC, LUCD
Ambient air temperature for storage	-40...85 °C
Fire resistance	960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12
Operating altitude	2000 m
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 (f= 5...300 Hz) power poles open conforming to IEC 60068-2-27 4 gn (f= 5...300 Hz) power poles closed conforming to IEC 60068-2-27
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 level 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

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>

Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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
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