

Product datasheet

Specifications



Reverser block, TeSys Ultra, 38A, 690VAC, 24VDC coil, for side mounting

LU6MB0BL

Main

Range	TeSys
Device short name	LU6MB
product or component type	Reverser block
device mounting	Separate 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	Clipped (DIN rail) Screw-fixed (plate)

Disclaimer: 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

Connections - terminals	<p>Control circuit: screw clamp terminals 1 cable(s) 0.34...1.5 mm² (external diameter: 3 mm) flexible with cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 0.75...1.5 mm² (external diameter: 3 mm) flexible without cable end</p> <p>Control circuit: screw clamp terminals 1 cable(s) 0.75...1.5 mm² (external diameter: 3 mm) rigid</p> <p>Control circuit: screw clamp terminals 2 cable(s) 0.34...1.5 mm² (external diameter: 3 mm) flexible with cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 0.75...1.5 mm² (external diameter: 3 mm) flexible without cable end</p> <p>Control circuit: screw clamp terminals 2 cable(s) 0.75...1.5 mm² (external diameter: 3 mm) rigid</p> <p>Power circuit: screw clamp terminals 1 cable(s) 1...10 mm² (external diameter: 4 mm) rigid</p> <p>Power circuit: screw clamp terminals 1 cable(s) 1...6 mm² (external diameter: 4 mm) flexible with cable end</p> <p>Power circuit: screw clamp terminals 1 cable(s) 2.5...10 mm² (external diameter: 4 mm) flexible without cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1...6 mm² (external diameter: 4 mm) flexible with cable end</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1...6 mm² (external diameter: 4 mm) rigid</p> <p>Power circuit: screw clamp terminals 2 cable(s) 1.5...6 mm² (external diameter: 4 mm) flexible without cable end</p>
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Tightening torque	<p>Control circuit: 0.8...1.2 N.m flat screwdriver 5 mm</p> <p>Control circuit: 0.8...1.2 N.m Philips No 2 screwdriver 5 mm</p> <p>Power circuit: 1.9...2.5 N.m flat screwdriver 6 mm</p> <p>Power circuit: 1.9...2.5 N.m Philips No 2 screwdriver 6 mm</p> <p>Power circuit: 1.9...2.5 N.m pozidriv No 2 screwdriver 6 mm</p>
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Width	45 mm
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Height	115 mm
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Depth	113 mm
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net weight	0.425 kg
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Compatibility code	LU6MB
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Environment

IP degree of protection	<p>IP20 conforming to IEC 60947-1 (front panel and wired terminals)</p> <p>IP20 conforming to IEC 60947-1 (other faces)</p> <p>IP40 conforming to IEC 60947-1 (front panel outside connection zone)</p>
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Protective treatment	TH conforming to IEC 60068
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Ambient air temperature for operation	<p>-25...60 °C with LUCM</p> <p>-25...70 °C with LUCA, LUCB, LUCC, LUCD</p>
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Ambient air temperature for storage	-40...85 °C
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Fire resistance	<p>960 °C parts supporting live components conforming to IEC 60695-2-12</p> <p>650 °C conforming to IEC 60695-2-12</p>
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Operating altitude	2000 m
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Shock resistance	<p>10 gn power poles open conforming to IEC 60068-2-27</p> <p>15 gn power poles closed conforming to IEC 60068-2-27</p>
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Vibration resistance	<p>2 gn (f= 5...300 Hz) power poles open conforming to IEC 60068-2-27</p> <p>4 gn (f= 5...300 Hz) power poles closed conforming to IEC 60068-2-27</p>
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Resistance to electrostatic discharge	<p>8 kV level 3, in open air conforming to IEC 61000-4-2</p> <p>8 kV level 4, on contact conforming to IEC 61000-4-2</p>
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Resistance to radiated fields	10 V/m level 3 conforming to IEC 61000-4-3
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Resistance to fast transients	<p>2 kV class 3 serial link conforming to IEC 61000-4-4</p> <p>4 kV class 4 all circuits except for serial link conforming to IEC 61000-4-4</p>
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Immunity to radioelectric fields	10 V conforming to IEC 61000-4-6
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.3 cm
Package 1 Width	5.8 cm
Package 1 Length	13.1 cm
Package 1 Weight	442 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.705 kg

Contractual warranty

Warranty	18 months
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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 >](#)

Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

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

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins