

# Product data sheet

Specifications



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

LU2MB0BL

## 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   maximum while closing 120 mA at 24 V DC   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

<b>Connections - terminals</b>	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
<b>Tightening torque</b>	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
<b>Width</b>	45 mm
<b>Height</b>	80 mm
<b>Depth</b>	105 mm
<b>Product weight</b>	0.4 kg
<b>Compatibility code</b>	LU2MB

## Environment

<b>IP degree of protection</b>	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)
<b>Protective treatment</b>	TH conforming to IEC 60068
<b>Ambient air temperature for operation</b>	-25...60 °C with LUCM -25...70 °C with LUCA, LUCB, LUCC, LUCD
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Fire resistance</b>	960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12
<b>Operating altitude</b>	2000 m
<b>Shock resistance</b>	10 gn power poles open conforming to IEC 60068-2-27 15 gn power poles closed conforming to IEC 60068-2-27
<b>Vibration resistance</b>	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
<b>Resistance to electrostatic discharge</b>	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
<b>Resistance to radiated fields</b>	10 V/m level 3 conforming to IEC 61000-4-3
<b>Resistance to fast transients</b>	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
<b>Immunity to radioelectric fields</b>	10 V conforming to IEC 61000-4-6

## Packing Units

<b>Unit Type of Package 1</b>	PCE
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Number of Units in Package 1	1
Package 1 Height	13 cm
Package 1 Width	5.7 cm
Package 1 Length	9.5 cm
Package 1 Weight	393 g
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.999 kg

## Contractual warranty

Warranty	18 months
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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

Total lifecycle Carbon footprint 4

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 Ea04e023-7196-4d5e-a41f-a711a93b86d7

REACH Regulation [REACH Declaration](#)

California proposition 65 WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

PVC free Yes

## Use Again

### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

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