

# Product datasheet

Specifications



## Reverser block for side mounting, TeSys U, 38A/690V, coil 110-240V AC/DC

Local distributor code: 387985631 LU6MB0FU

EAN Code : 3389110106664

### 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	110...240 V AC 50/60 Hz 110...220 V DC
Current consumption	1000 mA at 110...220 V DC   maximum while closing 1000 mA at 110...240 V AC   maximum while closing

### 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)
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

<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 Power circuit: 1.9...2.5 N.m pozidriv No 2 screwdriver 6 mm
<b>Width</b>	45 mm
<b>Height</b>	115 mm
<b>Depth</b>	113 mm
<b>Net weight</b>	0.425 kg
<b>Compatibility code</b>	LU6MB

## 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>Non-dissipating shock wave</b>	1 kV serial mode conforming to IEC 60947-6-2 2 kV common mode conforming to IEC 60947-6-2
<b>Immunity to radioelectric fields</b>	10 V conforming to IEC 61000-4-6

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	14.5 cm
<b>Package 1 Width</b>	5.7 cm
<b>Package 1 Length</b>	13.2 cm
<b>Package 1 Weight</b>	440.0 g
<b>Unit Type of Package 2</b>	S02

<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	4.703 kg

## Offer Sustainability

<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	Yes
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

<b>Warranty</b>	18 months
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## Recommended replacement(s)