

# Product datasheet

Specifications



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

LU6MB0FU

Price: 4,383.20 ZAR

### 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<br>110...220 V DC                                                              |
| Current Consumption            | 1000 mA at 110...220 V DC I maximum while closing<br>1000 mA at 110...240 V AC I maximum while closing |

### Complementary

|                                        |                                                                                                                     |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| [Ue] Rated Operational Voltage         | 690 V AC power circuit                                                                                              |
| Network Frequency                      | 40...60 Hz                                                                                                          |
| Inrush Restraint Duration              | 25 ms AC<br>15 ms DC                                                                                                |
| Operating Time                         | 150 ms with change of direction<br>75 ms without change of direction                                                |
| Standards                              | EN 60947-6-2<br>IEC 60947-6-2<br>UL 60947-4-1, with phase barrier<br>CSA C22.2 No 60947-4-1, with phase barrier     |
| Product Certifications                 | CE<br>UL<br>CSA<br>CCC<br>EAC<br>ASEFA<br>ATEX<br>Marine                                                            |
| [Ui] Rated Insulation Voltage          | 690 V conforming to IEC 60947-6-2<br>600 V conforming to UL 60947-4-1<br>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)<br>Screw-fixed (plate)                                                                           |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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 | Control circuit: screw clamp terminals 1 cable(s) 0.34...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible with cable end<br>Control circuit: screw clamp terminals 1 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible without cable end<br>Control circuit: screw clamp terminals 1 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) rigid<br>Control circuit: screw clamp terminals 2 cable(s) 0.34...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible with cable end<br>Control circuit: screw clamp terminals 2 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) flexible without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 0.75...1.5 mm <sup>2</sup> (external diameter: 3 mm) rigid<br>Power circuit: screw clamp terminals 1 cable(s) 1...10 mm <sup>2</sup> (external diameter: 4 mm) rigid<br>Power circuit: screw clamp terminals 1 cable(s) 1...6 mm <sup>2</sup> (external diameter: 4 mm) flexible with cable end<br>Power circuit: screw clamp terminals 1 cable(s) 2.5...10 mm <sup>2</sup> (external diameter: 4 mm) flexible without cable end<br>Power circuit: screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> (external diameter: 4 mm) flexible with cable end<br>Power circuit: screw clamp terminals 2 cable(s) 1...6 mm <sup>2</sup> (external diameter: 4 mm) rigid<br>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<br>Control circuit: 0.8...1.2 N.m Philips No 2 screwdriver 5 mm<br>Power circuit: 1.9...2.5 N.m flat screwdriver 6 mm<br>Power circuit: 1.9...2.5 N.m Philips No 2 screwdriver 6 mm<br>Power circuit: 1.9...2.5 N.m pozidriv No 2 screwdriver 6 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Width                   | 45 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Height                  | 115 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Depth                   | 113 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Net Weight              | 0.425 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Compatibility Code      | LU6MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Environment

|                                       |                                                                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ip Degree Of Protection               | IP20 conforming to IEC 60947-1 (front panel and wired terminals)<br>IP20 conforming to IEC 60947-1 (other faces)<br>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<br>-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<br>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<br>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<br>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<br>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<br>4 kV class 4 all circuits except for serial link conforming to IEC 61000-4-4                                                     |
| Non-Dissipating Shock Wave            | 1 kV serial mode conforming to IEC 60947-6-2<br>2 kV common mode conforming to IEC 60947-6-2                                                                                             |
| Immunity To Radioelectric Fields      | 10 V conforming to IEC 61000-4-6                                                                                                                                                         |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 14.500 cm |
| Package 1 Width              | 5.700 cm  |
| Package 1 Length             | 13.000 cm |
| Package 1 Weight             | 444.000 g |
| Unit Type Of Package 2       | S02       |
| Number Of Units In Package 2 | 10        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 4.722 kg  |

## Contractual warranty

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

## 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-CO<sub>2</sub> products.

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## Well-being performance

|                                                                                                              |                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  Mercury Free               |                                                                                                                             |
|  Rohs Exemption Information | <a href="#">Yes</a>                                                                                                         |
| Reach Regulation                                                                                             | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive                                                                                            | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation                                                                                        | <a href="#">China RoHS declaration</a><br>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 |