

# Product data sheet

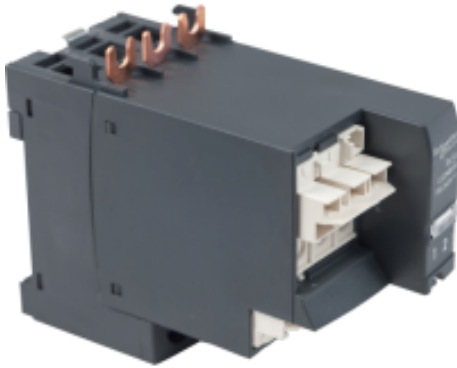
## Characteristics

# LU2MB0FU

reverser block LU2M - 32 A - 110...240 V DC/AC  
50...60 Hz - direct mounting

Product availability : Stock - Normally stocked in distribution facility

Price\* : 192.00 USD



### Main

|                           |                |
|---------------------------|----------------|
| Range of product          | TeSys U        |
| Range                     | TeSys          |
| Device short name         | LU2MB          |
| Product or component type | Reverser block |

### Complementary

|  |  |
|--|--|
| Mounting mode                          | Plug-in  |
| System Voltage                         | 230 V<br>440 V<br>690 V<br>500 V   |
| Network frequency                      | 40...60 Hz   |
| Duration of inrush phase               | 15 ms DC network<br>25 ms AC network 50/60 Hz  |
| Operating time                         | 75 ms without change of direction<br>150 ms with change of direction   |
| Control circuit voltage                | 110...240 V AC<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   |
| [Ui] rated insulation voltage          | 600 V conforming to CSA C22.2 No 14<br>600 V conforming to UL 508<br>690 V conforming to IEC 60947-1   |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-6-2   |
| Connections - terminals                | Control circuit: screw clamp terminals 2 cable 0...0 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) - external diameter: 0.12 in (3 mm) - cable stiffness: flexible - without cable end<br>Power circuit: screw clamp terminals 2 cable 0...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) - external diameter: 0.16 in (4 mm) - cable stiffness: flexible - with cable end<br>Power circuit: screw clamp terminals 2 cable 0...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) - external diameter: 0.16 in (4 mm) - cable stiffness: rigid - without cable end |

|                    |  |
|--------------------|--|
|                    | Power circuit: screw clamp terminals 1 cable 0...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) - external diameter: 0.16 in (4 mm) - cable stiffness: flexible - with cable end<br>Power circuit: screw clamp terminals 2 cable 0...0.01 in <sup>2</sup> (1.5...6 mm <sup>2</sup> ) - external diameter: 0.16 in (4 mm) - cable stiffness: flexible - without cable end<br>Power circuit: screw clamp terminals 1 cable 0...0.02 in <sup>2</sup> (2.5...10 mm <sup>2</sup> ) - external diameter: 0.16 in (4 mm) - cable stiffness: flexible - without cable end<br>Control circuit: screw clamp terminals 1 cable 0...0 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) - external diameter: 0.12 in (3 mm) - cable stiffness: flexible - without cable end<br>Power circuit: screw clamp terminals 1 cable 0...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) - external diameter: 0.16 in (4 mm) - cable stiffness: rigid - without cable end<br>Control circuit: screw clamp terminals 2 cable 0...0 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) - external diameter: 0.12 in (3 mm) - cable stiffness: rigid - without cable end<br>Control circuit: screw clamp terminals 2 cable 0...0 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> ) - external diameter: 0.12 in (3 mm) - cable stiffness: flexible - with cable end<br>Control circuit: screw clamp terminals 1 cable 0...0 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> ) - external diameter: 0.12 in (3 mm) - cable stiffness: flexible - with cable end<br>Control circuit: screw clamp terminals 1 cable 0...0 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) - external diameter: 0.12 in (3 mm) - cable stiffness: rigid - without cable end |
| Tightening torque  | Power circuit: 16.81...22.12 lbf.in (1.9...2.5 N.m) - with screwdriver 0.24 in (6 mm) flat<br>Power circuit: 16.81...22.12 lbf.in (1.9...2.5 N.m) - with screwdriver 0.24 in (6 mm) Philips No 2<br>Control circuit: 7.08...10.62 lbf.in (0.8...1.2 N.m) - with screwdriver 0.2 in (5 mm) flat<br>Control circuit: 7.08...10.62 lbf.in (0.8...1.2 N.m) - with screwdriver 0.2 in (5 mm) Philips No 2   |
| Product weight     | 0.88 lb(US) (0.4 kg)   |
| Compatibility code | LU2MB  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN 60947-6-3<br>UL 508 type E with phase barrier<br>IEC 60947-6-3<br>CSA C22.2 No 14 type E  |
| Product certifications                | GOST<br>CSA<br>ABS<br>GL<br>CCC<br>DNV<br>ATEX<br>BV<br>ASEFA<br>LROS (Lloyds register of shipping)<br>UL  |
| IP degree of protection               | IP20 front panel and wired terminals conforming to IEC 60947-1<br>IP20 other faces conforming to IEC 60947-1<br>IP40 front panel outside connection zone conforming to IEC 60947-1 |
| Protective treatment                  | TH conforming to IEC 60068   |
| Ambient air temperature for operation | -13...140 °F (-25...60 °C) with LUCM<br>-13...158 °F (-25...70 °C) with LUCA, LUCB, LUCC, LUCD   |
| Fire resistance                       | 1202 °F (650 °C) conforming to IEC 60695-2-12<br>1760 °F (960 °C) parts supporting live components conforming to IEC 60695-2-12  |
| Operating altitude                    | 6561.68 ft (2000 m)  |
| Shock resistance                      | 15 gn power poles closed conforming to IEC 60068-2-27<br>10 gn power poles open conforming to IEC 60068-2-27   |
| Vibration resistance                  | 2 gn 5...300 Hz power poles open conforming to IEC 60068-2-27<br>4 gn 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         | 9.14 V/yd (10 V/m) level 3 conforming to IEC 61000-4-3   |
| Resistance to fast transients         | 4 kV class 4 all circuits except for serial link conforming to IEC 61000-4-4<br>2 kV class 3 serial link conforming to IEC 61000-4-4   |
| Non-dissipating shock wave            | 2 kV common mode conforming to IEC 60947-6-2<br>1 kV serial mode conforming to IEC 60947-6-2   |
| Immunity to radioelectric fields      | 10 V conforming to IEC 61000-4-6   |

## Ordering and shipping details

|          |                              |
|----------|------------------------------|
| Category | 22399 - TESYS U, ACCESSORIES |
|----------|------------------------------|

|                       |                |
|-----------------------|----------------|
| Discount Schedule     | I11            |
| GTIN                  | 00785901202622 |
| Nbr. of units in pkg. | 1              |
| Returnability         | Y              |
| Country of origin     | FR             |

### Contractual warranty

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