Product data sheet
Characteristics

LU2MB0B
Reverser block, TeSys Ultra, 32A, 690VAC, 24VAC coil, for vertical mounting



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	32 A
[Uc] control circuit voltage	24 V AC 50/60 Hz
Current consumption	2360 mA at 24 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 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 0.34…1.5 mm² (external diameter: 3 mm) flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) rigid Control circuit: screw clamp terminals 2 cable(s) 0.34…1.5 mm² (external diameter: 3 mm) flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) rigid Power circuit: screw clamp terminals 1 cable(s) 1…10 mm² (external diameter: 4 mm) rigid Power circuit: screw clamp terminals 1 cable(s) 1…6 mm² (external diameter: 4 mm) flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 2.5…10 mm² (external diameter: 4 mm) flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 1…6 mm² (external diameter: 4 mm) flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1…6 mm² (external diameter: 4 mm) rigid Power circuit: screw clamp terminals 2 cable(s) 1.5…6 mm² (external diameter: 4 mm) flexible without cable end
Tightening torque	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
Width	45 Mm
Height	80 Mm
Depth	105 Mm
Net weight	0.4 Kg
Compatibility code	LU2MB

Environment

IP degree of protection	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)
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-25…60 °C with LUCM -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 60695-2-12 650 °C conforming to IEC 60695-2-12
Operating altitude	2000 m
Shock resistance	10 gn power poles open conforming to IEC 60068-2-27 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 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 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 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 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	5.5 Cm
Package 1 Width	9.5 Cm
Package 1 Length	13 Cm
Package 1 Weight	378 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	4.825 Kg

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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

Contractual warranty

Warranty	18 months

Product Life Status : Commercialised