

# LU2MB0BL

reverser block LU2M - 32 A - 24 V DC - direct mounting



## Main

Commercial Status	Commercialised
Range of product	TeSys U
Device short name	LU2MB
Product or component type	Reverser block

## Complementary

Mounting mode	Plug-in
[Ue] rated operational voltage	690 V 500 V 440 V 230 V
Network frequency	40...60 Hz
Duration of inrush phase	25 ms for AC network 50/60 Hz 15 ms for DC network
Operating time	75 ms without change of direction 150 ms with change of direction
[Uc] control circuit voltage	24 V DC
Current consumption	120 mA at 24 V DC I rms sealed 120 mA at 24 V DC I maximum while closing
[Ui] rated insulation voltage	600 V conforming to CSA C22.2 No 14 690 V conforming to IEC 60947-1 600 V conforming to UL 508
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-6-2
Connections - terminals	Power circuit: screw clamp terminals 2 cable 1.5...6 mm <sup>2</sup> - external diameter: 4 mm - cable stiffness: flexible - without cable end Power circuit: screw clamp terminals 2 cable 1...6 mm <sup>2</sup> - external diameter: 4 mm - cable stiffness: rigid - without cable end Power circuit: screw clamp terminals 2 cable 1...6 mm <sup>2</sup> - external diameter: 4 mm - cable stiffness: flexible - with cable end Power circuit: screw clamp terminals 1 cable 2.5...10 mm <sup>2</sup> - external diameter: 4 mm - cable stiffness: flexible - without cable end Power circuit: screw clamp terminals 1 cable 1...6 mm <sup>2</sup> - external diameter: 4 mm - cable stiffness: flexible - with cable end Power circuit: screw clamp terminals 1 cable 1...10 mm <sup>2</sup> - external diameter: 4 mm - cable stiffness: rigid - without cable end Control circuit: screw clamp terminals 2 cable 0.75...1.5 mm <sup>2</sup> - external diameter: 3 mm - cable stiffness: rigid - without cable end Control circuit: screw clamp terminals 2 cable 0.75...1.5 mm <sup>2</sup> - external diameter: 3 mm - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable 0.34...1.5 mm <sup>2</sup> - external diameter: 3 mm - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable 0.75...1.5 mm <sup>2</sup> - external diameter: 3 mm - cable stiffness: rigid - without cable end Control circuit: screw clamp terminals 1 cable 0.75...1.5 mm <sup>2</sup> - external diameter: 3 mm - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable 0.34...1.5 mm <sup>2</sup> - external diameter: 3 mm - cable stiffness: flexible - with cable end

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Tightening torque	Power circuit: 1.9...2.5 N.m - with screwdriver 6 mm Philips No 2 Power circuit: 1.9...2.5 N.m - with screwdriver 6 mm flat Control circuit: 0.8...1.2 N.m - with screwdriver 5 mm Philips No 2 Control circuit: 0.8...1.2 N.m - with screwdriver 5 mm flat
Product weight	0.4 kg

## Environment

Standards	CSA C22.2 No 14 type E UL 508 type E with phase barrier IEC 60947-6-2 EN 60947-6-2
Product certifications	ABS ASEFA ATEX BV CCC CSA DNV GL GOST LROS (Lloyds register of shipping) UL
IP degree of protection	IP40 front panel outside connection zone conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP20 front panel and wired terminals conforming to IEC 60947-1
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-25...70 °C with LUCA, LUCB, LUCC, LUCD -25...60 °C with LUCM
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	15 gn power poles closed conforming to IEC 60068-2-27 10 gn power poles open conforming to IEC 60068-2-27
Vibration resistance	4 gn 5...300 Hz power poles closed conforming to IEC 60068-2-27 2 gn 5...300 Hz power poles open conforming to IEC 60068-2-27
Resistance to electrostatic discharge	8 kV level 4, on contact conforming to IEC 61000-4-2 8 kV level 3, in open air 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	4 kV class 4 all circuits except for serial link conforming to IEC 61000-4-4 2 kV class 3 serial link conforming to IEC 61000-4-4
Immunity to radioelectric fields	10 V conforming to IEC 61000-4-6