Product data sheet
Characteristics

LU6MB0FU
reverser block LU6 - 32 A - 110...240 V DC/AC 50...60 Hz - separated mounting



Main

Range of product	TeSys U
Device short name	LU6MB
Product or component type	Reverser block

Complementary

Mounting mode	Rail
[Ue] rated operational voltage	230 V 440 V 500 V 690 V
Network frequency	40...60 Hz
Duration of inrush phase	15 ms for DC network 25 ms for AC network 50/60 Hz
Operating time	150 ms with change of direction 75 ms without change of direction
[Uc] control circuit voltage	110...220 V DC 110...240 V AC
Current consumption	1000 mA at 110...220 V DC I maximum while closing 1000 mA at 110...240 V AC I maximum while closing
[Ui] rated insulation voltage	600 V conforming to CSA 22-2 No 14 600 V conforming to UL 508 690 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 1 cable 0.34...1.5 mm² - external diameter: 3 mm - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable 0.75...1.5 mm² - external diameter: 3 mm - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable 0.75...1.5 mm² - external diameter: 3 mm - cable stiffness: rigid - without cable end Control circuit: screw clamp terminals 2 cable 0.34...1.5 mm² - external diameter: 3 mm - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 2 cable 0.75...1.5 mm² - external diameter: 3 mm - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable 0.75...1.5 mm² - external diameter: 3 mm - cable stiffness: rigid - without cable end Power circuit: screw clamp terminals 1 cable 1...10 mm² - external diameter: 4 mm - cable stiffness: rigid - without cable end Power circuit: screw clamp terminals 1 cable 1...6 mm² - external diameter: 4 mm - cable stiffness: flexible - with cable end Power circuit: screw clamp terminals 1 cable 2.5...10 mm² - external diameter: 4 mm - cable stiffness: flexible - without cable end Power circuit: screw clamp terminals 2 cable 1...6 mm² - external diameter: 4 mm - cable stiffness: flexible - with cable end Power circuit: screw clamp terminals 2 cable 1...6 mm² - external diameter: 4 mm - cable stiffness: rigid - without cable end Power circuit: screw clamp terminals 2 cable 1.5...6 mm² - external diameter: 4 mm - cable stiffness: flexible - without cable end

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.
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Tightening torque	Control circuit: 0.8...1.2 N.m - with screwdriver 5 mm flat Control circuit: 0.8...1.2 N.m - with screwdriver 5 mm Philips No 2 Power circuit: 1.9...2.5 N.m - with screwdriver 6 mm flat Power circuit: 1.9...2.5 N.m - with screwdriver 6 mm Philips No 2
Product weight	0.425 kg

Environment

Standards	CSA C22-2 No 14 type E EN 60947-6-3 IEC 60947-6-3 UL 508 type E with phase barrier
Product certifications	ABS ASEFA ATEX BV CCC CSA DNV (Det Norske Veritas) GL GOST LROS (Lloyds register of shipping) UL
IP degree of protection	IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1
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
Fire resistance	650 °C conforming to IEC 60695-2-12 960 °C parts supporting live components 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 5...300 Hz power poles open conforming to IEC 60068-2-27 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 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