Product data sheet
Characteristics

LU2MB0FU
Reverser block, TeSys Ultra, 38A, 690VAC, 110 to 240VAC/DC 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	38 A
[Uc] control circuit voltage	110...240 V AC 50/60 Hz 110...220 V DC
Current consumption	1000 mA at 110...220 V DC I maximum while closing 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 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[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]ASEFA[RETURN]ATI
[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
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 0.34…1.5 mm² (external diameter: 3 mm) flexi Control circuit: screw clamp terminals 1 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) flex Control circuit: screw clamp terminals 1 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) rigi Control circuit: screw clamp terminals 2 cable(s) 0.34…1.5 mm² (external diameter: 3 mm) flex Control circuit: screw clamp terminals 2 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) flex Control circuit: screw clamp terminals 2 cable(s) 0.75…1.5 mm² (external diameter: 3 mm) rigi 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 w Power circuit: screw clamp terminals 1 cable(s) 2.5…10 mm² (external diameter: 4 mm) flexible Power circuit: screw clamp terminals 2 cable(s) 1…6 mm² (external diameter: 4 mm) flexible w 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
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	5.7 Cm
Package 1 Width	9.5 Cm
Package 1 Length	13.0 Cm
Package 1 Weight	396.0 G
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15.0 Cm
Package 2 Width	30.0 Cm
Package 2 Length	40.0 Cm
Package 2 Weight	5.048 Kg

Offer Sustainability

Recyclability potential, in %	58
Total lifecycle Carbon footprint	4 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.6889369391561186
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.21156165842079783
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.02763198876456684
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	1.0013297867714235

Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	4
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	Ea04e023-7196-4d5e-a41f-a711a93b86d7
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony tr
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised