

LU2B12BL

baza napajanja – TeSys U – 12 A – 24 V DC
upravljanje vijčanim stezaljkama



Glavno

Range	TeSys
Product name	TeSys U
Device short name	LU2B
Product or component type	Reversing power base
Device application	Motor
Poles description	3P
Suitability for isolation	Yes
[Ith] conventional free air thermal current	12 A
Utilisation category	AC-41 AC-43 AC-44
[Uc] control circuit voltage	24 V DC

Komplementarno

Auxiliary contact composition	1 NO + 1 NC
Auxiliary contacts type	Type linked contacts (1 NO + 1 NC) conforming to IEC 60947-4-1 Type mirror contact (1 NC) state of the power conforming to draft IEC 60947-1
[Ue] rated operational voltage	230 V 440 V 500 V 690 V
Network frequency	40...60 Hz
[Ie] rated operational current	12 A at <= 440 V 12 A at 500 V 9 A at 690 V
[Ics] rated service breaking capacity	10 kA 500 V 4 kA 690 V 50 kA 230 V 50 kA 440 V
Control circuit voltage limits	14.5 V 24 V DC drop-out 20...27 V 24 V DC in operation
Typical current consumption	120 mA at 24 V DC I maximum while closing 120 mA at 24 V DC I rms sealed
Inrush restraint duration	15 ms for DC network
Safety reliability level	B10d 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Operating time	150 ms with change of direction for power circuit 35 ms opening with LUCA, LUCB, LUCC, LUCD, LUCM for control circuit 70 ms closing with LUCA, LUCB, LUCC, LUCD for control circuit 75 ms closing with LUCM for control circuit 75 ms without change of direction for power circuit
Mechanical durability	15000000 cycles
Operating rate	60 cyc/mn
[Ui] rated insulation voltage	600 V conforming to UL 508 690 V conforming to IEC 60947-1 3 600 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-6-2
Safe separation of circuit	400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 appendix N 400 V SELV between the control or auxiliary circuit and the main circuit conforming to

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

Connections - terminals	<p>Power circuit: screw clamp terminals 2 cable 1.5...6 mm² - cable stiffness: flexible - without cable end</p> <p>Control circuit: screw clamp terminals 1 cable 0.34...1.5 mm² - cable stiffness: flexible - with cable end</p> <p>Control circuit: screw clamp terminals 1 cable 0.75...1.5 mm² - cable stiffness: flexible - without cable end</p> <p>Control circuit: screw clamp terminals 1 cable 0.75...1.5 mm² - cable stiffness: rigid - without cable end</p> <p>Control circuit: screw clamp terminals 2 cable 0.34...1.5 mm² - cable stiffness: flexible - with cable end</p> <p>Control circuit: screw clamp terminals 2 cable 0.75...1.5 mm² - cable stiffness: flexible - without cable end</p> <p>Control circuit: screw clamp terminals 2 cable 0.75...1.5 mm² - cable stiffness: rigid - without cable end</p> <p>Power circuit: screw clamp terminals 1 cable 1...10 mm² - cable stiffness: rigid - without cable end</p> <p>Power circuit: screw clamp terminals 1 cable 1...6 mm² - cable stiffness: flexible - with cable end</p> <p>Power circuit: screw clamp terminals 1 cable 2.5...10 mm² - cable stiffness: flexible - without cable end</p> <p>Power circuit: screw clamp terminals 2 cable 1...6 mm² - cable stiffness: flexible - with cable end</p> <p>Power circuit: screw clamp terminals 2 cable 1...6 mm² - cable stiffness: rigid - without cable end</p>
Tightening torque	<p>Control circuit: 0.8...1.2 N.m - with screwdriver 5 mm flat</p> <p>Control circuit: 0.8...1.2 N.m - with screwdriver 5 mm Philips no 1</p> <p>Power circuit: 1.9...2.5 N.m - with screwdriver 6 mm flat</p> <p>Power circuit: 1.9...2.5 N.m - with screwdriver 6 mm Philips No 2</p>
Width	45 mm
Height	224 mm
Depth	126 mm
Product weight	1.27 kg

Okolina

heat dissipation	<p>2 Wfor control circuit with LUCA, LUCB, LUCC, LUCD</p> <p>1.7 Wfor control circuit with LUCM</p>
immunity to microbreaks	3 ms
immunity to voltage dips	70 % 500 ms conforming to IEC 61000-4-11
product certifications	<p>ABS</p> <p>ASEFA</p> <p>ATEX</p> <p>BV</p> <p>CCC</p> <p>CSA</p> <p>DNV</p> <p>GL</p> <p>GOST</p> <p>LROS (Lloyds register of shipping)</p> <p>UL</p>
standards	<p>EN 60947-6-2</p> <p>IEC 60947-6-2</p> <p>UL 508 type E with phase barrier</p> <p>CSA C22.2 No 14 type E</p>
IP degree of protection	<p>IP20 front panel and wired terminals conforming to IEC 60947-1</p> <p>IP20 other faces conforming to IEC 60947-1</p> <p>IP40 front panel outside connection zone conforming to IEC 60947-1</p>
protective treatment	TH conforming to IEC 60068
ambient air temperature for operation	<p>-25...60 °C with LUCM</p> <p>-25...70 °C with LUCA, LUCB, LUCC, LUCD</p>
ambient air temperature for storage	-40...85 °C
fire resistance	<p>650 °C conforming to IEC 60695-2-12</p> <p>960 °C parts supporting live components conforming to IEC 60695-2-12</p>
operating altitude	2000 m
shock resistance	<p>10 gn power poles open conforming to IEC 60068-2-27</p> <p>15 gn power poles closed conforming to IEC 60068-2-27</p>
vibration resistance	<p>2 gn 5...300 Hz power poles open conforming to IEC 60068-2-27</p> <p>4 gn 5...300 Hz power poles closed conforming to IEC 60068-2-27</p>
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 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	0 kV 24 V DC 1 kV serial mode 48...220 V DC conforming to IEC 60947-6-2 2 kV common mode 24...240 V AC conforming to IEC 60947-6-2
immunity to radioelectric fields	10 V conforming to IEC 61000-4-6

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0846 - Schneider Electric declaration of conformity	Compliant - since 0846 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

Contractual warranty

Warranty period	18 months
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