



Product availability: Stock - Normally stocked in distribution facility



## Main

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
[I <sub>th</sub> ] conventional free air thermal current	32 A
Utilisation category	AC-43 AC-41 AC-44
[U <sub>c</sub> ] control circuit voltage	24 V DC

## Complementary

Auxiliary contact composition	1 NO + 1 NC
Auxiliary contacts type	Linked contacts 1 NO + 1 NC) IEC 60947-4-1 Mirror contact 1 NC) state of the power draft IEC 60947-1
[U <sub>e</sub> ] rated operational voltage	230 V 440 V 500 V 690 V
Network frequency	40...60 Hz
[I <sub>e</sub> ] rated operational current	21 A 690 V 23 A 500 V 32 A <= 440 V
[I <sub>cs</sub> ] 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 24 V DC I maximum while closing 120 mA 24 V DC I rms sealed
Inrush restraint duration	15 ms DC
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Operating time	150 ms with change of direction power circuit 75 ms without change of direction power circuit 35 ms opening with LUCA, LUCB, LUCC, LUCD, LUCM control circuit 75 ms closing with LUCM control circuit 70 ms closing with LUCA, LUCB, LUCC, LUCD control circuit
Mechanical durability	15000000 cycles
Maximum operating rate	60 cyc/mn
[U <sub>i</sub> ] rated insulation voltage	600 V UL 508 690 V IEC 60947-1 3) 600 V CSA C22.2 No 14
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV IEC 60947-6-2
Safe separation of circuit	400 V SELV between the control and auxiliary circuits IEC 60947-1 appendix N 400 V SELV between the control or auxiliary circuit and the main circuit IEC 60947-1 appendix N

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Connections - terminals	Control circuit screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> ) flexible with cable end Control circuit screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) flexible without cable end Control circuit screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) rigid without cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> ) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (0.75...1.5 mm <sup>2</sup> ) rigid without cable end Power circuit screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) rigid without cable end Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (2.5...10 mm <sup>2</sup> ) flexible without cable end Power circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) flexible with cable end Power circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) rigid without cable end Power circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1.5...6 mm <sup>2</sup> ) flexible without cable end
Tightening torque	Control circuit 7.08...10.62 lbf.in (0.8...1.2 N.m) flat 0.20 in (5 mm) Control circuit 7.08...10.62 lbf.in (0.8...1.2 N.m) Philips no 1 0.20 in (5 mm) Power circuit 16.82...22.13 lbf.in (1.9...2.5 N.m) flat 0.24 in (6 mm) Power circuit 16.82...22.13 lbf.in (1.9...2.5 N.m) Philips No 2 0.24 in (6 mm)
Width	1.77 in (45 mm)
Height	8.82 in (224 mm)
Depth	4.96 in (126 mm)
Product weight	2.80 lb(US) (1.27 kg)

## Environment

Heat dissipation	3 W control circuit with LUCA, LUCB, LUCC, LUCD 1.8 W control circuit with LUCM
Immunity to microbreaks	3 ms
Immunity to voltage dips	70 % / 500 ms IEC 61000-4-11
Product certifications	LROS (Lloyds register of shipping) ABS ASEFA UL CSA GOST DNV CCC ATEX GL BV
Standards	UL 508 type E, with phase barrier EN 60947-6-2 IEC 60947-6-2 CSA C22.2 No 14 type E
IP degree of protection	IP20 IEC 60947-1 front panel and wired terminals) IP20 IEC 60947-1 other faces) IP40 IEC 60947-1 front panel outside connection zone)
Protective treatment	TH IEC 60068
Ambient air temperature for operation	-13...140 °F (-25...60 °C) with LUCM -13...158 °F (-25...70 °C) with LUCA, LUCB, LUCC, LUCD
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Fire resistance	1760 °F (960 °C) parts supporting live components IEC 60695-2-12 1202 °F (650 °C) IEC 60695-2-12
Operating altitude	6561.68 ft (2000 m)
Shock resistance	10 gn power poles open IEC 60068-2-27 15 gn power poles closed IEC 60068-2-27
Vibration resistance	2 gn 5...300 Hz) power poles open IEC 60068-2-27 4 gn 5...300 Hz) power poles closed IEC 60068-2-27
Resistance to electrostatic discharge	8 kV 3 in open air IEC 61000-4-2 8 kV 4 on contact IEC 61000-4-2
Resistance to radiated fields	9.14 V/m (10 V/m) 3 IEC 61000-4-3

Resistance to fast transients	2 KV 3 serial link IEC 61000-4-4 4 kV 4 all circuits except for serial link IEC 61000-4-4
Non-dissipating shock wave	1 KV serial mode 48...220 V DC IEC 60947-6-2 2 KV common mode 24...240 V AC IEC 60947-6-2 0 kV 24 V DC
Immunity to radioelectric fields	10 V IEC 61000-4-6

### Ordering and shipping details

Category	22396 - TESYS U - SELF PRCTD STARTER (LUB)
Discount Schedule	I11
GTIN	00785901202707
Package weight(Lbs)	1.30 kg (2.87 lb(US))
Returnability	Yes
Country of origin	FR

### Offer Sustainability

Sustainable offer status	Green Premium product
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 Carcinogen harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

### Contractual warranty

Warranty	18 months
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