

Product availability: Stock - Normally stocked in distribution facility

Price\*: 345.00 USD



### Main

Range	TeSys
Product name	TeSys U
Device short name	LUB
Product or component type	Non reversing power base
Device application	Motor control Motor protection
Poles description	3P
Suitability for isolation	Yes
[Ue] rated operational voltage	690 V AC power circuit
Network frequency	40...60 Hz
[Ith] conventional free air thermal current	32 A
[Ie] rated operational current	28.5 A ≤ 440 V 23 A 500 V 21 A 690 V
Utilisation category	AC-43 AC-44 AC-41
[Ics] rated service breaking capacity	50 KA 230 V 50 KA 440 V 10 KA 500 V 4 KA 690 V
Auxiliary contact composition	1 NO + 1 NC
Auxiliary contacts type	Linked contacts 1 NO + 1 NC) IEC 60947-4-1 Mirror contact 1 NC) IEC 60947-1
[Uc] control circuit voltage	24 V AC 50/60 Hz 24 V DC 48...72 V AC 50/60 Hz 48...72 V DC 110...240 V AC 50/60 Hz 110...220 V DC

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## Complementary

Typical current consumption	<p>200 MA 24 V DC I maximum while closing with LUCM</p> <p>220 MA 24 V AC I maximum while closing with LUCA, LUCB, LUCC, LUCD</p> <p>220 MA 24 V DC I maximum while closing with LUCA, LUCB, LUCC, LUCD</p> <p>25 MA 110...220 V DC I rms sealed with LUCA, LUCB, LUCC, LUCD</p> <p>25 MA 110...240 V AC I rms sealed with LUCA, LUCB, LUCC, LUCD</p> <p>280 MA 110...220 V DC I maximum while closing with LUCA, LUCB, LUCC, LUCD</p> <p>280 MA 110...240 V AC I maximum while closing with LUCA, LUCB, LUCC, LUCD</p> <p>280 MA 48...72 V AC I maximum while closing with LUCA, LUCB, LUCC, LUCD</p> <p>280 MA 48...72 V DC I maximum while closing with LUCA, LUCB, LUCC, LUCD</p> <p>45 MA 48...72 V AC I rms sealed with LUCA, LUCB, LUCC, LUCD</p> <p>45 MA 48...72 V DC I rms sealed with LUCA, LUCB, LUCC, LUCD</p> <p>75 MA 24 V DC I rms sealed with LUCM</p> <p>80 MA 24 V DC I rms sealed with LUCA, LUCB, LUCC, LUCD</p> <p>90 MA 24 V AC I rms sealed with LUCA, LUCB, LUCC, LUCD</p>
Heat dissipation	<p>3 W control circuit with LUCA, LUCB, LUCC, LUCD</p> <p>1.8 W control circuit with LUCM</p>
Safety reliability level	<p>B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1</p> <p>B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1</p>
Operating time	<p>35 ms opening with LUCA, LUCB, LUCC, LUCD, LUCM control circuit</p> <p>50 ms <math>\geq</math> 72 V closing with LUCA, LUCB, LUCC, LUCD control circuit</p> <p>60 ms 48 V closing with LUCA, LUCB, LUCC, LUCD control circuit</p> <p>70 ms 24 V closing with LUCA, LUCB, LUCC, LUCD control circuit</p> <p>65 ms closing with LUCM control circuit</p>
Mechanical durability	15 Mcycles
Maximum operating rate	3600 Cyc/H
Product certifications	<p>CE</p> <p>UL</p> <p>CSA</p> <p>CCC</p> <p>EAC</p> <p>ASEFA</p> <p>ATEX</p> <p>Marine</p>
Standards	<p>EN 60947-6-2</p> <p>IEC 60947-6-2</p> <p>UL 60947-4-1, with phase barrier</p> <p>CSA C22.2 No 60947-4-1, with phase barrier</p>
[Ui] rated insulation voltage	<p>690 V IEC 60947-6-2 3)</p> <p>600 V UL 60947-4-1</p> <p>600 V CSA C22.2 No 60947-4-1</p>
[Uimp] rated impulse withstand voltage	6 KVIEC 60947-6-2
Safe separation of circuit	<p>400 V SELV between the control and auxiliary circuits IEC 60947-1 appendix N</p> <p>400 V SELV between the control or auxiliary circuit and the main circuit IEC 60947-1 appendix N</p>
Fixing mode	<p>Clipped DIN rail)</p> <p>Screw-fixed plate)</p>
Connections - terminals	<p>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</p> <p>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</p> <p>Control circuit screw clamp terminals 1 0.00...0.00 in<sup>2</sup> (0.75...1.5 mm<sup>2</sup>) rigid</p> <p>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</p> <p>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</p> <p>Control circuit screw clamp terminals 2 0.00...0.00 in<sup>2</sup> (0.75...1.5 mm<sup>2</sup>) rigid</p> <p>Power circuit screw clamp terminals 1 0.00...0.02 in<sup>2</sup> (1...10 mm<sup>2</sup>) rigid</p> <p>Power circuit screw clamp terminals 1 0.00...0.01 in<sup>2</sup> (1...6 mm<sup>2</sup>) flexible with cable end</p> <p>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</p> <p>Power circuit screw clamp terminals 2 0.00...0.01 in<sup>2</sup> (1...6 mm<sup>2</sup>) flexible with cable end</p> <p>Power circuit screw clamp terminals 2 0.00...0.01 in<sup>2</sup> (1...6 mm<sup>2</sup>) rigid</p> <p>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</p>

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	6.06 In (154 mm)
Depth	4.96 In (126 mm)
Net weight	1.98 Lb(US) (0.9 kg)
Compatibility code	LUB

## Environment

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 24...240 V AC IEC 60947-6-2 1 KV serial mode 48...220 V DC IEC 60947-6-2 2 KV common mode 24...240 V AC IEC 60947-6-2 2 KV common mode 48...220 V DC IEC 60947-6-2
Immunity to radioelectric fields	10 V IEC 61000-4-6
Immunity to microbreaks	3 Ms control circuit
Immunity to voltage dips	70 % / 500 ms IEC 61000-4-11

## Ordering and shipping details

Category	22396 - TESYS U - SELF PRTCTD STARTER (LUB)
Discount Schedule	I11
GTIN	03389110362787
Nbr. of units in pkg.	1
Package weight(Lbs)	29.91 Oz (848 g)
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.05 In (5.2 cm)
Package 1 width	5.71 In (14.5 cm)
Package 1 Length	6.69 In (17 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Weight	19.67 Lb(US) (8.921 kg)
Package 2 Height	11.81 In (30 cm)

Package 2 width	11.81 In (30 cm)
Package 2 Length	15.75 In (40 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	80
Package 3 Weight	176.08 Lb(US) (79.868 kg)
Package 3 Height	31.50 In (80 cm)
Package 3 width	31.50 In (80 cm)
Package 3 Length	23.62 In (60 cm)

### Offer Sustainability

Sustainable offer status	Green Premium product
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.
PVC free	Yes

Product Life Status : **Commercialised**