Product data sheet

Specification





Advanced power base, TeSys Ultra, 3P, 32A/690V

LUB320

Product availability: Stock - Normally stocked in distribution

Price*: 375.00 USD

Main

Range	TeSys
Product Name	TeSys Ultra
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	4060 Hz
[Ith] Conventional Free Air Thermal Current	32 A
[le] 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 4872 V AC 50/60 Hz 4872 V DC 110240 V AC 50/60 Hz 110220 V DC

Complementary

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.



Typical Current Consumption	200 mA 24 V DC I maximum while closing with LUCA, LUCB, LUCC, LUCD 220 mA 24 V AC I maximum while closing with LUCA, LUCB, LUCC, LUCD 220 mA 24 V DC I maximum while closing with LUCA, LUCB, LUCC, LUCD 25 mA 110220 V DC I rms sealed with LUCA, LUCB, LUCC, LUCD 25 mA 110240 V AC I rms sealed with LUCA, LUCB, LUCC, LUCD 280 mA 110220 V DC I maximum while closing with LUCA, LUCB, LUCC, LUCD 280 mA 110240 V AC I maximum while closing with LUCA, LUCB, LUCC, LUCD 280 mA 4872 V AC I maximum while closing with LUCA, LUCB, LUCC, LUCD 280 mA 4872 V DC I maximum while closing with LUCA, LUCB, LUCC, LUCD 45 mA 4872 V AC I rms sealed with LUCA, LUCB, LUCC, LUCD 75 mA 24 V DC I rms sealed with LUCA, LUCB, LUCC, LUCD 75 mA 24 V DC I rms sealed with LUCA, LUCB, LUCC, LUCD 90 mA 24 V AC I rms sealed with LUCA, LUCB, LUCC, LUCD
Heat Dissipation	3 W control circuit with LUCA, LUCB, LUCC, LUCD 1.8 W control circuit with LUCM
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	35 ms opening with LUCA, LUCB, LUCC, LUCD, LUCM control circuit 50 ms >= 72 V closing with LUCA, LUCB, LUCC, LUCD control circuit 60 ms 48 V closing with LUCA, LUCB, LUCC, LUCD control circuit 70 ms 24 V closing with LUCA, LUCB, LUCC, LUCD control circuit 65 ms closing with LUCM control circuit
Mechanical Durability	15 Mcycles
Maximum Operating Rate	3600 cyc/h
Product Certifications	CE UL CSA CCC EAC ASEFA ATEX Marine
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
[Ui] Rated Insulation Voltage	690 V IEC 60947-6-2 3) 600 V UL 60947-4-1 600 V CSA C22.2 No 60947-4-1
[Uimp] Rated Impulse Withstand Voltage	6 kVIEC 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
Fixing Mode	Clipped (DIN rail) Screw-fixed (plate)
Connections - Terminals	Power circuit screw clamp terminals 1 0.000.02 in² (110 mm²) rigid Power circuit screw clamp terminals 1 0.000.01 in² (16 mm²) flexible with cable end Power circuit screw clamp terminals 1 0.000.02 in² (2.510 mm²) flexible without cable end Power circuit screw clamp terminals 2 0.000.01 in² (16 mm²) flexible with cable end Power circuit screw clamp terminals 2 0.000.01 in² (16 mm²) rigid Power circuit screw clamp terminals 2 0.000.01 in² (1.56 mm²) flexible without cable end Control circuit without connection
Tightening Torque	Control circuit 7.0810.62 lbf.in (0.81.2 N.m) flat 0.20 in (5 mm) Control circuit 7.0810.62 lbf.in (0.81.2 N.m) Philips no 1 0.20 in (5 mm) Power circuit 16.8222.13 lbf.in (1.92.5 N.m) flat 0.24 in (6 mm) Power circuit 16.8222.13 lbf.in (1.92.5 N.m) Philips No 2 0.24 in (6 mm) Power circuit 16.8222.13 lbf.in (1.92.5 N.m) pozidriv 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	1.91 lb(US) (0.865 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	-13140 °F (-2560 °C) with LUCM -13158 °F (-2570 °C) with LUCA, LUCB, LUCC, LUCD
Ambient Air Temperature For Storage	-40185 °F (-4085 °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 5300 Hz) power poles open IEC 60068-2-27 4 gn 5300 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 24240 V AC IEC 60947-6-2 1 kV serial mode 48220 V DC IEC 60947-6-2 2 kV common mode 24240 V AC IEC 60947-6-2 2 kV common mode 48220 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	US10l1122396
Discount Schedule	0111
Gtin	3389110362800
Returnability	Yes
Country Of Origin	SE

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.77 in (17.200 cm)
Package 1 Width	2.24 in (5.700 cm)
Package 1 Length	5.71 in (14.500 cm)
Package 1 Weight	29.21 oz (828.000 g)
Unit Type Of Package 2	S02

Number Of Units In Package 2	10
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	18.73 lb(US) (8.498 kg)

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

	Mercury Free	
	Rohs Exemption Information	Yes
⊘	Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information