

LC1G400KUEN

Contactor, high power, TeSys Giga, standard version, 3 pole/NO, AC-3 $\leq 440\text{V } 400\text{A}$, 100-250VAC/DC coil



Main

Range	TeSys
Range of Product	TeSys Giga
Product or Component Type	Contacteur
Device short name	LC1G
Contactor application	Power switching Motor control
Utilisation category	AC-1 AC-3 AC-3e AC-4 AC-5a AC-5b AC-6a AC-6b AC-8a AC-8b DC-1 DC-3 DC-5
Poles description	3P
[Ue] rated operational voltage	$\leq 1000\text{ V AC } 50/60\text{ Hz}$ $\leq 460\text{ V DC}$
[Ie] rated operational current	$550\text{ A } 104\text{ °F } (40\text{ °C}) \leq 1000\text{ V AC-1}$ $400\text{ A } 140\text{ °F } (60\text{ °C}) \leq 400\text{ V AC-3}$
[Uc] control circuit voltage	$100\text{...}250\text{ V AC } 50/60\text{ Hz}$ $100\text{...}250\text{ V DC}$
Control circuit voltage limits	Operational $0.8\text{ Uc Min...}1.1\text{ Uc Max } 140\text{ °F } (60\text{ °C})$ Drop-out $0.1\text{ Uc Max...}0.45\text{ Uc Min } 140\text{ °F } (60\text{ °C})$

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	$550\text{ A } 104\text{ °F } (40\text{ °C})$
Rated breaking capacity	$3480\text{ A } 440\text{ V}$
[Icw] rated short-time withstand current	$3.6\text{ kA} - 10\text{ s}$ $2.4\text{ kA} - 30\text{ s}$ $1.7\text{ kA} - 1\text{ min}$ $1.2\text{ kA} - 3\text{ min}$ $1.0\text{ kA} - 10\text{ min}$
Associated fuse rating	$500\text{ A aM } \leq 440\text{ V motor}$ $315\text{ A aM } \leq 690\text{ V motor}$ $630\text{ A gG } \leq 690\text{ V}$
Average impedance	0.0001 Ohm
[Ui] rated insulation voltage	1000 V
Power dissipation per pole	$30\text{ W AC-1} - \text{Ith } 550\text{ A}$ $16\text{ W AC-3} - \text{Ith } 400\text{ A}$
Compatibility code	LC1G
Pole contact composition	3 NO
Auxiliary contact composition	1 NO + 1 NC

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Motor power kW	110 KW 230 V AC 50/60 Hz AC-3e) 200 KW 400 V AC 50/60 Hz AC-3e) 200 KW 415 V AC 50/60 Hz AC-3e) 250 KW 440 V AC 50/60 Hz AC-3e) 250 KW 500 V AC 50/60 Hz AC-3e) 315 KW 690 V AC 50/60 Hz AC-3e) 220 KW 1000 V AC 50/60 Hz AC-3e) 110 KW 230 V AC 50/60 Hz AC-3) 200 KW 400 V AC 50/60 Hz AC-3) 200 KW 415 V AC 50/60 Hz AC-3) 250 KW 440 V AC 50/60 Hz AC-3) 250 KW 500 V AC 50/60 Hz AC-3) 315 KW 690 V AC 50/60 Hz AC-3) 220 KW 1000 V AC 50/60 Hz AC-3) 110 KW 230 V AC 50/60 Hz AC-4) 200 KW 400 V AC 50/60 Hz AC-4) 200 KW 415 V AC 50/60 Hz AC-4) 220 KW 440 V AC 50/60 Hz AC-4) 250 KW 500 V AC 50/60 Hz AC-4) 315 KW 690 V AC 50/60 Hz AC-4) 220 kW 1000 V AC 50/60 Hz AC-4)
Maximum Horse Power Rating	125 Hp 200/208 V at 60 Hz 150 Hp 230/240 V at 60 Hz 300 Hp 460/480 V at 60 Hz 400 hp 575/600 V at 60 Hz
Irms rated making capacity	5090 A 440 V
Coil technology	Built-in bidirectional peak limiting
Mechanical durability	8 Mcycles
Inrush power in VA (50/60 Hz, AC)	750 VA
Inrush power in W (DC)	660 W
Hold-in power consumption in VA (50/60 Hz, AC)	15.5 VA
Hold-in power consumption in W (DC)	9.3 W
Operating time	40...70 ms closing 15...50 ms opening
Maximum operating rate	300 Cyc/H AC-1 500 Cyc/H AC-3 500 Cyc/H AC-3e 150 cyc/h AC-4
Connections - terminals	Power circuit bar 2 32 x 10 mm Power circuit lugs-ring terminals 1 0.29 in ² (185 mm ²) Power circuit bolted connection Control circuit push-in 1 0.00...0.00 in ² (0.2...2.5 mm ²) solid stranded without cable end Control circuit push-in 1 0.00...0.00 in ² (0.25...2.5 mm ²) flexible with cable end Control circuit push-in 2 0.00...0.00 in ² (0.5...1.0 mm ²) with cable end Control circuit push-in 0.00...0.00 in ² (0.75...2.5 mm ²) solid stranded without cable end Control circuit push-in 0.00...0.00 in ² (0.75...2.5 mm ²) flexible with cable end
Connection pitch	1.77 in (45 mm)
Mounting Support	Plate
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1 JIS C8201-5-1
Product Certifications	CB Scheme CCC CULus EAC CE UKCA EU-RO-MR by DNV-GL
Tightening torque	309.78 lbf.in (35 N.m)
Height	8.86 in (225 mm)
Width	5.51 in (140 mm)
Depth	8.90 in (226 mm)
Product Weight	16.53 lb(US) (7.5 kg)

Environment

IP degree of protection	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
Ambient Air Temperature for Operation	-13...140 °F (-25...60 °C)
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Mechanical robustness	Vibrations 5...300 Hz 2 gn contactor open Vibrations 5...300 Hz 4 gn contactor closed Shocks 10 gn 11 ms contactor open Shocks 15 gn 11 ms contactor closed
Color	Dark grey
Protective treatment	TH
Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C) at Uc

Ordering and shipping details

Category	22329-TESYS GIGA CONTACTORS
Discount Schedule	I12
GTIN	3606481921987
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.20 in (31.000 cm)
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Package 1 Length	8.86 in (22.500 cm)
Package 1 Weight	17.03 lb(US) (7.726 kg)
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	92.38 lb(US) (41.904 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Styrene, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes
Halogen content performance	Halogen free plastic parts product