

Contactor, high power, TeSys Giga, standard version, 3 pole/NO, AC-3 <=440V 225A, 48-130VAC/DC coil

LC1G225EHEN

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys	
Range of Product	TeSys Giga	
Product or Component Type	Contactor	
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-8b	
	AC-8a	
	DC-1	
	DC-3	
	DC-5	
Poles description	3P	
[le] rated operational current	330 A (at <104 °F (40 °C)) at <= 1000 V AC-1	
	225 A (at <140 °F (60 °C)) at <= 440 V AC-3	
[Uc] control circuit voltage	48130 V AC 50/60 Hz	
	48130 V DC	
Control circuit voltage limits	Operational: 0.8 Uc Min1.1 Uc Max (at <140 °F (60 °C))	
	Drop-out: 0.1 Uc Max0.45 Uc Min (at <140 °F (60 °C))	

Complementary

[Uimp] rated impulse withstand voltage	8 kV	
Overvoltage category	III	
[Ith] conventional free air thermal current	330 A (at 104 °F (40 °C))	
Rated breaking capacity	2050 A at 440 V	
[lcw] rated short-time withstand current	1.8 kA - 10 s 1.0 kA - 30 s 0.85 kA - 1 min 0.56 kA - 3 min 0.44 kA - 10 min	
Associated fuse rating	250 A aM at <= 440 V for motor 200 A aM at <= 690 V for motor 400 A gG at <= 690 V	
Average impedance	0.00015 Ohm	
[Ui] rated insulation voltage	1000 V	

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

Power discipation new	00 W 40 4 H- 000 A	
Power dissipation per pole 20 W AC-1 - Ith 330 A 8 W AC-3 - Ith 225 A		
Compatibility code	LC1G	
Pole contact composition	3 NO	
Auxiliary contact composition	1 NO + 1 NC	
Motor power kW	55 kW at 230 V AC 50/60 Hz (AC-3e) 110 kW at 400 V AC 50/60 Hz (AC-3e) 110 kW at 415 V AC 50/60 Hz (AC-3e) 132 kW at 440 V AC 50/60 Hz (AC-3e) 132 kW at 500 V AC 50/60 Hz (AC-3e) 160 kW at 690 V AC 50/60 Hz (AC-3e) 132 kW at 1000 V AC 50/60 Hz (AC-3e) 152 kW at 1000 V AC 50/60 Hz (AC-3e) 155 kW at 230 V AC 50/60 Hz (AC-3) 110 kW at 400 V AC 50/60 Hz (AC-3) 110 kW at 415 V AC 50/60 Hz (AC-3) 132 kW at 440 V AC 50/60 Hz (AC-3)	
	132 kW at 500 V AC 50/60 Hz (AC-3) 160 kW at 690 V AC 50/60 Hz (AC-3) 132 kW at 1000 V AC 50/60 Hz (AC-3) 55 kW at 230 V AC 50/60 Hz (AC-4) 110 kW at 400 V AC 50/60 Hz (AC-4) 110 kW at 415 V AC 50/60 Hz (AC-4) 129 kW at 440 V AC 50/60 Hz (AC-4) 132 kW at 500 V AC 50/60 Hz (AC-4) 132 kW at 690 V AC 50/60 Hz (AC-4) 110 kW at 1000 V AC 50/60 Hz (AC-4)	
Maximum Horse Power Rating	60 hp at 200/208 V 60 Hz 75 hp at 230/240 V 60 Hz 150 hp at 460/480 V 60 Hz 150 hp at 575/600 V 60 Hz	
Irms rated making capacity	2720 A at 440 V	
Coil technology	Built-in bidirectional peak limiting	
Safety reliability level	B10d = 400000 cycles contactor with nominal load EN/ISO 13849-1 B10d = 3000000 cycles contactor with mechanical load EN/ISO 13849-1	
Mechanical durability	8 Mcycles	
inrush power in VA (50/60 Hz, AC)	640 VA	
inrush power in W (DC)	445 W	
hold-in power consumption in VA (50/60 Hz, AC)	18.7 VA	
hold-in power consumption in W (DC)	7.8 W	
Operating time	4070 ms closing 1550 ms opening	
Maximum operating rate	600 cyc/h AC-3 600 cyc/h AC-3e 300 cyc/h AC-1 150 cyc/h AC-4	
Connections - terminals	Power circuit: bar 2 - busbar cross section: 25 x 6 mm Power circuit: lugs-ring terminals 1 0.3 in² (185 mm²) Power circuit: bolted connection Control circuit: push-in 1 0.00030.004 in² (0.22.5 mm²) - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.00040.004 in² (0.252.5 mm²) - cable stiffness: flexible with cable end Control circuit: push-in 2 0.00080.002 in² (0.51.0 mm²) with cable end Control circuit: push-in 0.0010.004 in² (0.752.5 mm²) - cable stiffness: solid stranded without cable end Control circuit: push-in 0.0010.004 in² (0.752.5 mm²) - cable stiffness: flexible with cable end	
Connection pitch	1.4 in (35 mm)	
Mounting Support	Plate	

Ot a series and a		
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	
	IEC 60335-1:Clause 30.2	
	IEC 60335-2-40:Annex JJ	
	UL 60335-1	
	UL 60335-2-40:Annex JJ	
Product Certifications	CB Scheme	
	CCC	
	cULus	
	EAC	
	CE	
	UKCA	
	EU-RO-MR by DNV-GL	
Tightening torque	159.3 lbf.in (18 N.m)	
Height	7.6 in (193 mm)	
Width	4.3 in (108 mm)	
Depth	7.6 in (193 mm)	
Net Weight	7.7 lb(US) (3.5 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	-13140 °F (-2560 °C)	
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)	
Mechanical robustness	Vibrations 5300 Hz 2 gn contactor open Vibrations 5300 Hz 4 gn contactor closed Shocks 10 gn 11 ms contactor open Shocks 15 gn 11 ms contactor closed	
color	Dark grey	
Protective treatment	тн	
Permissible ambient air temperature around the device	-40158 °F (-4070 °C) at Uc	

Ordering and shipping details

Category	US10l1222329
Discount Schedule	0112
GTIN	3606481921857
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE	
Nbr. of units in pkg.	1	
Package 1 Height	10.43 in (26.500 cm)	
Package 1 Width	6.89 in (17.500 cm)	
Package 1 Length	12.60 in (32.000 cm)	
Package weight(Lbs)	10.108 lb(US) (4.585 kg)	

Unit Type of Package 2	P06	
Number of Units in Package 2	12	
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	154.368 lb(US) (70.020 kg)	



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	878
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	6fbdad13-bb7c-47d4-a6d6-d82dd6f54349
REACh Regulation	REACh Declaration
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
Halogen content performance	Halogen free plastic parts product
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Offer Marketing Illustration

Product benefits / Features



Technical Illustration

Assembly's dimensions

