

High power contactor, TeSys Giga S207,4P(4NO), AC-3 <=440V 225A, standard version, 48-130V AC/ DC wide band coil

LC1G2254EHES207N

EAN Code: 3606485827735

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-8b AC-8a DC-1 DC-3 DC-5	
Poles description	4P	
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC	
[le] rated operational current	330 A (at <40 °C) at <= 1000 V AC-1 225 A (at <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 <60 °C) Drop-out: 0.1 Uc Max0.45 Uc Min (at <60 °C)	

Complementary

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[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	330 A (at 40 °C)
Rated breaking capacity	2050 A at 440 V
[Icw] 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

Rates duty January 2016

400 A gG at <= 690 V

Average impedance	0.00015 Ohm	
[Ui] rated insulation voltage	1000 V	
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) 55 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 500 V AC 50/60 Hz (AC-3) 132 kW at 500 V AC 50/60 Hz (AC-3) 132 kW at 500 V AC 50/60 Hz (AC-3) 132 kW at 690 V AC 50/60 Hz (AC-3) 155 kW at 230 V AC 50/60 Hz (AC-3) 160 kW at 690 V AC 50/60 Hz (AC-3) 170 kW at 415 V AC 50/60 Hz (AC-4) 110 kW at 415 V AC 50/60 Hz (AC-4) 110 kW at 440 V AC 50/60 Hz (AC-4) 1129 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) 132 kW at 690 V AC 50/60 Hz (AC-4)	
Motor power hp	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 conforming to EN/ISO 13849-1 B10d = 3000000 cycles contactor with mechanical load conforming to 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	300 cyc/h AC-1 500 cyc/h AC-3 500 cyc/h AC-3e 150 cyc/h AC-4	
Connections - terminals Connection pitch	Power circuit: bar 2 - busbar cross section: 25 x 6 mm Power circuit: lugs-ring terminals 1 185 mm² Power circuit: bolted connection Control circuit: push-in 1 0.22.5 mm² - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.252.5 mm² - cable stiffness: flexible with cable end Control circuit: push-in 2 0.51.0 mm² with cable end Control circuit: push-in 0.752.5 mm² - cable stiffness: solid stranded without cable end Control circuit: push-in 0.752.5 mm² - cable stiffness: flexible with cable end	
Connection pitch	35 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 UL 60335-1 UL 60335-2-40:Annex JJ
Product certifications	CB Scheme CCC cULus EAC CE UKCA
Tightening torque	18 N.m
Height	193 mm
Width	105 mm
Depth	193 mm
Net weight	4.2 kg

Environment

IP degree of protection	IP2X front face with shrouds conforming to IEC 60529 IP2X front face with shrouds conforming to VDE 0106	
Ambient air temperature for operation	-2560 °C	
Ambient air temperature for storage	-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	
Colour	Dark grey	
Protective treatment	TH	
Permissible ambient air	-4070 °C at Uc	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	26 cm
Package 1 Width	21 cm
Package 1 Length	32.5 cm
Package 1 Weight	5.8 kg
Unit Type of Package 2	S06
Number of Units in Package 2	10
Package 2 Height	65 cm
Package 2 Width	60 cm
Package 2 Length	80 cm
Package 2 Weight	67 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.eq.CO2 per CR, Total Life cycle)	1962
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	6fbdad13-bb7c-47d4-a6d6-d82dd6f54349
REACh Regulation	REACh Declaration

Use Again

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