

High power contactor, TeSys Giga S207,3P(3NO), AC-3 <=440V 150A, standard version, 48-130V AC/DC wide band coil

LC1G150EHES207N

EAN Code: 3606482212725

Price: 718,60 EUR

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	
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC	
[le] rated operational current	275 A (at <40 °C) at <= 1000 V AC-1 150 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

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[lth] conventional free air thermal current	275 A (at 40 °C)
Rated breaking capacity	1280 A at 440 V
[lcw] rated short-time withstand current	1.2 kA - 10 s 0.7 kA - 30 s 0.6 kA - 1 min 0.45 kA - 3 min 0.35 kA - 10 min

Rates duty January 2016

Associated fuse rating	160 A aM at <= 440 V for motor	
-	160 A aM at <= 690 V for motor	
	315 A gG at <= 690 V	
Average impedance	0.00018 Ohm	
[Ui] rated insulation voltage	1000 V	
Device discination was not	AOMAO A NI OTEA	
Power dissipation per pole	10 W AC-1 - Ith 275 A 5 W AC-3 - Ith 150 A	
Compatibility code	LC1G	
Pole contact composition	3 NO	
Auxiliary contact composition	1 NO + 1 NC	
Motor power kW	37 kW at 230 V AC 50/60 Hz (AC-3e)	
•	75 kW at 400 V AC 50/60 Hz (AC-3e)	
	75 kW at 415 V AC 50/60 Hz (AC-3e)	
	90 kW at 440 V AC 50/60 Hz (AC-3e)	
	90 kW at 500 V AC 50/60 Hz (AC-3e)	
	90 kW at 690 V AC 50/60 Hz (AC-3e)	
	75 kW at 1000 V AC 50/60 Hz (AC-3e)	
	37 kW at 230 V AC 50/60 Hz (AC-3)	
	75 kW at 400 V AC 50/60 Hz (AC-3)	
	75 kW at 415 V AC 50/60 Hz (AC-3)	
	90 kW at 440 V AC 50/60 Hz (AC-3)	
	90 kW at 500 V AC 50/60 Hz (AC-3)	
	90 kW at 690 V AC 50/60 Hz (AC-3)	
	75 kW at 1000 V AC 50/60 Hz (AC-3)	
	37 kW at 230 V AC 50/60 Hz (AC-4)	
	75 kW at 400 V AC 50/60 Hz (AC-4)	
	75 kW at 415 V AC 50/60 Hz (AC-4)	
	80 kW at 440 V AC 50/60 Hz (AC-4)	
	90 kW at 500 V AC 50/60 Hz (AC-4) 90 kW at 690 V AC 50/60 Hz (AC-4)	
	75 kW at 1000 V AC 50/60 Hz (AC-4)	
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Motor power hp	40 hp at 200/208 V 60 Hz	
	50 hp at 230/240 V 60 Hz	
	100 hp at 460/480 V 60 Hz 125 hp at 575/600 V 60 Hz	
Irms rated making capacity	1890 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	
Operating time	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 1 185 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
	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
Tightening torque	18 N.m
Height	193 mm
Width	108 mm
Depth	193 mm
Net weight	3.5 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	тн
Permissible ambient air temperature around the device	-4070 °C at Uc
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.500 cm
Package 1 Width	17.000 cm
Package 1 Length	32.500 cm
Package 1 Weight	4.503 kg

Unit Type of Package 2	S06
Number of Units in Package 2	12
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	58.703 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)	706
Environmental Disclosure	Product Environmental Profile

Use Better

S Materials and Substances	
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	