

High power contactor, TeSys Giga S207,3P(3NO), AC-3 <=440V 265A, standard version, 48-130V AC/DC wide band coil

LC1G265EHES207N

EAN Code: 3606482212756

Price: 1.294,00 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-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	385 A (at <40 °C) at <= 1000 V AC-1 265 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
[Ith] conventional free air thermal current	385 A (at 40 °C)
Rated breaking capacity	2380 A at 440 V
[lcw] rated short-time withstand current	2.2 kA - 10 s 1.23 kA - 30 s 0.95 kA - 1 min 0.62 kA - 3 min 0.48 kA - 10 min

Rates duty January 2016

Associated fuse rating	315 A aM at <= 440 V for motor	
	250 A aM at <= 690 V for motor	
	400 A gG at <= 690 V	
Average impedance	0.000144 Ohm	
[Ui] rated insulation voltage	1000 V	
Power dissinction nor note	00 W A O 4 - HI- 00 F A	
Power dissipation per pole	20 W AC-1 - Ith 385 A 11 W AC-3 - Ith 265 A	
Compatibility code	LC1G	
Pole contact composition	3 NO	
Auxiliary contact composition	1 NO + 1 NC	
Motor power kW	75 kW at 230 V AC 50/60 Hz (AC-3e)	
	132 kW at 400 V AC 50/60 Hz (AC-3e)	
	132 kW at 415 V AC 50/60 Hz (AC-3e)	
	160 kW at 440 V AC 50/60 Hz (AC-3e)	
	160 kW at 500 V AC 50/60 Hz (AC-3e)	
	200 kW at 690 V AC 50/60 Hz (AC-3e)	
	160 kW at 1000 V AC 50/60 Hz (AC-3e)	
	75 kW at 230 V AC 50/60 Hz (AC-3)	
	132 kW at 400 V AC 50/60 Hz (AC-3)	
	132 kW at 415 V AC 50/60 Hz (AC-3)	
	160 kW at 440 V AC 50/60 Hz (AC-3)	
	160 kW at 500 V AC 50/60 Hz (AC-3)	
	200 kW at 690 V AC 50/60 Hz (AC-3) 160 kW at 1000 V AC 50/60 Hz (AC-3)	
	75 kW at 230 V AC 50/60 Hz (AC-4)	
	132 kW at 400 V AC 50/60 Hz (AC-4)	
	132 kW at 415 V AC 50/60 Hz (AC-4)	
	150 kW at 440 V AC 50/60 Hz (AC-4)	
	160 kW at 500 V AC 50/60 Hz (AC-4)	
	160 kW at 690 V AC 50/60 Hz (AC-4)	
	160 kW at 1000 V AC 50/60 Hz (AC-4)	
Motor power hp	75 hp at 200/208 V 60 Hz	
motor power rip	100 hp at 230/240 V 60 Hz	
	200 hp at 460/480 V 60 Hz	
	200 hp at 575/600 V 60 Hz	
Irms rated making capacity	3320 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)	780 VA	
inrush power in W (DC)	695 W	
hold-in power consumption in VA (50/60 Hz, AC)	17.6 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: 32 x 10 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
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Connection pitch	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
	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	35 N.m
Height	225 mm
Width	140 mm
Depth	226 mm
Net weight	7 kg
Fundament and	
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	<u> </u>
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	-4070 °C at Uc
temperature around the device	
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30.500 cm
Package 1 Width	22.500 cm
Package 1 Length	30.500 cm
Package 1 Weight	7.509 kg

Unit Type of Package 2	S06
Number of Units in Package 2	4
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	38.509 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)	1158
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