



Main

Range	Easy9
Product or component type	Voltage release
Device short name	EA9SGQ
Poles description	2P

Complementary

[Ue] rated operational voltage	230 V, AC, 50 Hz. (between phase and neutral)
Supply voltage limits	1 phase: 50...440 V, AC
[Ie] rated operational current	50 A
OV/UV auto-reset compulsive delay time	Overvoltage: 275 V (Tripping time:3...15 s) Overvoltage: 300 V (Tripping time:1...5 s) Overvoltage: 350 V (Tripping time:0.25...0.75 s) Overvoltage: 400 V (Tripping time:0.1...0.2 s) Undervoltage: 50...160 V (Tripping time:0.6...5 s) Lockout:
Reset	Automatic reset 25...35 s 253 V for overvoltage Automatic reset 25...35 s 195 V for undervoltage
Electric clearance	>= 1.2 mm
Leakage current	<= 2 mA
Creepage distance	5.6 mm
[Uimp] rated impulse withstand voltage	4 kV (between phases) 4 kV (between phase and neutral)
Local signalling	Indicator light green: steady (fault) Indicator light green: flashing (lock) Indicator light red: steady (operating)
Response time	(< 1 s)
Time delay	0...800 s on-delay
Function available	Real time voltage detection
[Ui] rated insulation voltage	500 V
Mounting support	DIN rail
Mounting mode	By clips
Cable entry	Bottom entry
Mounting location	Downstream
Installation direction	Horizontal Vertical
Use category	Indoor installation
9 mm pitches	4
Height	94 mm
Width	36 mm
Depth	67.74 mm
Colour tint	Housing: grey/white (Pantone 7541U) Clips: light grey (RAL 7035)
Electrical durability	10000 cycles (63 A, 285 V AC, cosΦ=0.9)

Mechanical robustness	Vibrations: , 3 Gn, 5...100 Hz, according to IEC 60068-2-6 Shocks: 6 ms, 30 Gn (with protective package), according to IEC 60068-2-27 Free fall resistance: (0.8m, without package)
Service life	10 yr
Electromagnetic compatibility	Electrostatic discharge immunity test: , 6 kV, level 3 (contact discharge), according to IEC 61000-4-2 Electrostatic discharge immunity test: , 8 kV, level 3 (air discharge), according to IEC 61000-4-2 Surge immunity test: , 2 kV (common mode), according to IEC 61000-4-5 Surge immunity test: , 4 kV (differential mode), according to IEC 61000-4-5 Electrical fast transient/burst immunity test: , 4 kV, 2.5 kHz, 5 kHz and 100 kHz, according to IEC 61000-4-4 Immunity to conducted disturbances: , 10 V, 0.15...80 MHz, level 3, according to IEC 61000-4-6 Immunity to conducted RF disturbances: , 10 V, 80...1000 MHz and 1400...6000 MHz, level 3, according to IEC 61000-4-3 Conducted emission: , class B Radiated emission: , class B
Connections - terminals	Tunnel type terminals: rigid: 1...35 mm ² , without cable end, (top or bottom) Tunnel type terminals: flexible: 1...25 mm ² , with or without cable end, (top or bottom)
Tightening torque	3.5 N.m, power circuit

Environment

Standards	JB/T 12762-2015
Product certifications	REACH
Directives	2002/95/EC - RoHS directive
IP degree of protection	On front face: IP40 (according to IEC 60529) Other parts: IP20 B (according to IEC 60529)
Pollution degree	2
Operating altitude	<= 2000 m
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...80 °C
Relative humidity	0...75 % operating 0...95 % storage

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1630 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold