



Product designation	11RFNA9
Product type designation	Motor protection relay

### General characteristics

Number of poles	Nr.	3
Overvoltage category		III
Pollution degree		3
Frontal IP degree		IP20
Type of release		Thermal
Protection fuse	aM (IEC)	A 0.25
Phase failure detection		yes
Reset mode		Automatic

### Power circuit characteristics

Rated insulation voltage $U_i$ IEC/EN	V	690
Rated impulse withstand voltage $U_{imp}$	kV	8
Rated operational voltage	V	690
Operational frequency	min Hz	0
	max Hz	400

Operational current $I_e$	Operational current min	A	0.09
	Operational current max	A	0.15

Tripping class		10A
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Test Button		yes
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Trip indicator		yes
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Terminals	type		screw and washer
	screw		M4
	width	mm	9.8
	tool		Phillips 2

Tightening torque for terminals	min Nm	2.3
	max Nm	2.3
	min lbin	1.7
	max lbin	1.7

Conductor section	AWG/kcmil max	10
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### Auxiliary circuit characteristics

Auxiliary contacts	NO	Nr.	1
	NC	Nr.	1

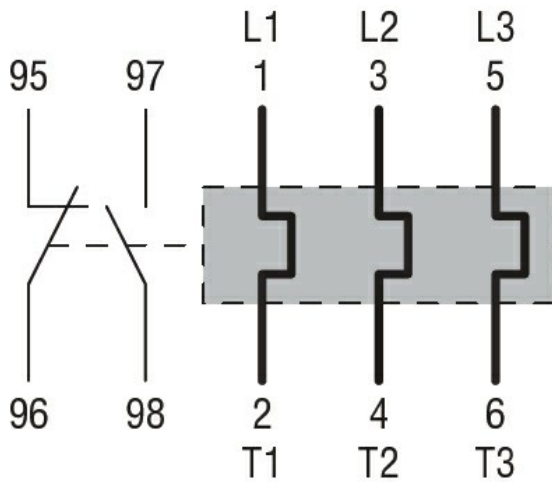
Auxiliary Rated insulation voltage $U_i$ IEC/EN	V	690
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Auxiliary Rated impulse withstand voltage $U_{imp}$	kV	6
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Auxiliary Rated operational voltage	V	690
Operating current AC15	24V 120V 240V	A A A 1.5 1.5 0.75
IEC Conventional free air thermal current I <sub>th</sub>	A	10
Terminals	Auxiliary circuit type	screw and washer
	Auxiliary circuit screw	M3,5
	Auxiliary circuit width	mm 8
	Auxiliary circuit tool	Phillips 1
Conductor section	Auxiliary circuit Flexible w/o lug max	mm <sup>2</sup> 2.5
	Auxiliary circuit Flexible c/w lug max	mm <sup>2</sup> 2.5
Tightening torque for terminals	Auxiliary circuit min	Nm 1
	Auxiliary circuit max	Nm 1
	Auxiliary circuit min	lbin 0.74
	Auxiliary circuit max	lbin 0.74
UL/CSA and IEC/EN 60947-5-1 designation		C300-R300
<b>Ambient conditions</b>		
Operating temperature	min °C	-20
	max °C	55
Storage temperature	min °C	-55
	max °C	70
Compensation temperature	min °C	-15
	max °C	55
Max altitude	m	3000
<b>Mechanical features</b>		
Operating position	normal allowable	Vertical plan ±30°
Fixing		Direct mounting on BG06... BG09... BG12...
Weight	g	123
<b>UL technical data</b>		
Full-load current (FLA) for three-phase AC motor	at 480V at 600V	A A 0.15 0.15
<b>Dimensions</b>		



**Wiring diagrams**



**Certifications and compliance**

**Compliance**

CSA C22.2 n° 14  
IEC/EN 60947-1  
IEC/EN 60947-4-1  
UL508

**Certifications**

CCC  
CSA  
cULus  
EAC

**ETIM classification**

ETIM 8.0

EC000106 -  
Thermal overload  
relay