



Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated insulated spade lug conductor section Rin max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position Normal		Auxiliary
Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated inpulse withstand voltage Uimp Operational frequency min max IEC Conventional free air thermal current Ith Protection fuse gG (IEC) Tightening torque for terminals min max Tightening torque for coil terminal min max Tightening torque for coil terminal min max Max number of wires simultaneously connectable Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529		contactor BG00
Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency min max IEC Conventional free air thermal current Ith Protection fuse gG (IEC) Tightening torque for terminals min max Tightening torque for coil terminal min max Max number of wires simultaneously connectable Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min		BCCC
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency min max IEC Conventional free air thermal current Ith Protection fuse gG (IEC) Tightening torque for terminals min max Tightening torque for coil terminal min max Tightening torque for coil terminal min max Max number of wires simultaneously connectable Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible c/w lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Operating position	Nr.	4
Rated impulse withstand voltage Uimp Operational frequency min max IEC Conventional free air thermal current Ith Protection fuse gG (IEC) Tightening torque for terminals min max min Tightening torque for coil terminal min max max Tightening torque for coil terminal min max max Max number of wires simultaneously connectable Conductor section Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max max Flexible with insulated spade lug conductor section min max max Flexible with insulated spade lug conductor section min max max Flexible with insulated spade lug conductor section min max Max Operating position min	V	690
Operational frequency min IEC Conventional free air thermal current lth Protection fuse gG (IEC) Tightening torque for terminals Tightening torque for coil terminal min max min Max number of wires simultaneously connectable min Conductor section AWG/Kcmil Flexible w/o lug conductor section min Flexible c/w lug conductor section min Flexible with insulated spade lug conductor section min Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal	kV	6
min max IEC Conventional free air thermal current Ith Protection fuse gG (IEC) Tightening torque for terminals min max min max Tightening torque for coil terminal Max number of wires simultaneously connectable Conductor section AWG/Kcmil max Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal		
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Protection fuse gG (IEC) Tightening torque for terminals min max min max Tightening torque for coil terminal min max Tightening torque for coil terminal Max number of wires simultaneously connectable Conductor section AWG/Kcmil Flexible w/o lug conductor section Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section Flexible with	Hz	400
gG (IEC) Tightening torque for terminals min max min max Tightening torque for coil terminal min max Tightening torque for coil terminal min max min max Max number of wires simultaneously connectable Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	А	10
Tightening torque for terminals min min max min max Tightening torque for coil terminal min Tightening torque for coil terminal min max min Max number of wires simultaneously connectable max Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible w/o lug conductor section Flexible c/w lug conductor section min max Flexible c/w lug conductor section min max Flexible of the insulated spade lug conductor section min max max Power terminal protection according to IEC/EN 60529 max Mechanical features Operating position		
Tightening torque for coil terminal Tightening to the terminal protection according to the terminal protection according to the terminal protection according to the terminal protection terminal Tightening torque for coil terminal Tightening torque for terminal Ti	А	16
max min Tightening torque for coil terminal min max min max min Max number of wires simultaneously connectable Conductor section Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible w/o lug conductor section Flexible c/w lug conductor section min max Flexible c/w lug conductor section Flexible c/w lug conductor section min max Flexible c/w lug conductor section Max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max min Power terminal protection according to IEC/EN 60529 min Mechanical features Operating position		
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Tightening torque for coil terminal min Min max min max Max number of wires simultaneously connectable min Conductor section AWG/Kcmil Max max Flexible w/o lug conductor section min Flexible w/o lug conductor section min Flexible c/w lug conductor section min Flexible c/w lug conductor section min Flexible with insulated spade lug conductor section min Max Flexible with insulated spade lug conductor section Min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal	Nm	1
Tightening torque for coil terminal min max min max min Max number of wires simultaneously connectable max Conductor section AWG/Kcmil Flexible w/o lug conductor section min Flexible w/o lug conductor section min Flexible c/w lug conductor section min Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section Max min Max min Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	Ibin	9
min max Max number of wires simultaneously connectable max Conductor section AWG/Kcmil Max Flexible w/o lug conductor section Flexible w/o lug conductor section min Max Flexible c/w lug conductor section Flexible c/w lug conductor section min Max Flexible c/w lug conductor section Flexible with insulated spade lug conductor section min Max Flexible with insulated spade lug conductor section Max Flexible with insulated spade lug conductor section Max Flexible with insulated spade lug conductor section Max Max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	Ibin	9
max min Max number of wires simultaneously connectable max Conductor section AWG/Kcmil Max Flexible w/o lug conductor section Flexible w/o lug conductor section min Max Flexible c/w lug conductor section Flexible c/w lug conductor section min Flexible c/w lug conductor section min Flexible with insulated spade lug conductor section min Max Flexible with insulated spade lug conductor section Power terminal protection according to IEC/EN 60529 min Mechanical features Operating position		
min max Max number of wires simultaneously connectable Conductor section AWG/Kcmil max Flexible w/o lug conductor section min Flexible w/o lug conductor section min Flexible c/w lug conductor section min Flexible c/w lug conductor section min Flexible with insulated spade lug conductor section min Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal	Nm	0.8
Max number of wires simultaneously connectable Conductor section AWG/Kcmil Imax Flexible w/o lug conductor section Imax Flexible c/w lug conductor section Imax Flexible with insulated spade lug conductor section Imax Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	Nm	1
Max number of wires simultaneously connectable Conductor section AWG/Kcmil Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	Ibin	9
Conductor section AWG/Kcmil max Flexible w/o lug conductor section min max Flexible c/w lug conductor section Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section min max Flexible with insulated spade lug conductor section Max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	Ibin	9
AWG/Kcmil AWG/Kcmil max Flexible w/o lug conductor section min max max Flexible c/w lug conductor section min Flexible c/w lug conductor section min Flexible with insulated spade lug conductor section min Flexible with insulated spade lug conductor section min Power terminal protection according to IEC/EN 60529 min Mechanical features Operating position	Nr.	2
max Flexible w/o lug conductor section min max Flexible c/w lug conductor section Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position		
Flexible w/o lug conductor section min min max Flexible c/w lug conductor section min min max Flexible with insulated spade lug conductor section min min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal		
min max Flexible c/w lug conductor section Flexible with insulated spade lug conductor section Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position		12
max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position		
Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal	mm²	0.75
min max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	mm²	2.5
max Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal		
Flexible with insulated spade lug conductor section min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position	mm²	1.5
min max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal	mm²	2.5
max Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal	-	
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal	mm²	1.5
Mechanical features Operating position normal	mm²	2.5
normal		IP20 when wired
normal		
		Vertical plan
allowable		±30°
Fixing		Screw / DIN rail 35mm
Weight	g	180
Conductor section	3	



AWG/kcmil conductor section

		max		12
Auxiliary contact chara	cteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de				A600 - Q600
Operating current AC1	5			
		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC1	2			
		110V	A	2.9
Operating current DC1	3			
		24V	Α	2.9
		48V	Α	1.4
		60V	Α	1.2
		110V	А	0.6
		125V	А	0.55
		220V	А	0.3
		600V	Α	0.1
Operations				
Mechanical life			cycles	20000000
Safety related data				
Performance level B1	Od according to EN/ISO 13489-1			
		mechanical load	cycles	2000000
Mirror contats according	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 6	OHz		V	24
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	75
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C			
Ũ	of 50/60Hz coil powered at 50Hz			
	·	in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz			
		in-rush	VA	30
		holding	VA	4
Dissipation at holding	=20°C 50Hz	noiding	W	0.95
Max cycles frequency			vv	0.00
Mechanical operation			cycles/h	3600
Operating times			Cycles/II	3000
Average time for Us co				
Average line IUI US U	in AC			
	Closing NO			

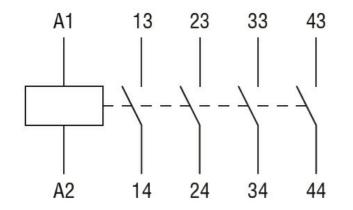
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CONTROL RELAY WITH AC COIL 60HZ, 24VAC, 4NO

			min	ms	12	
			max	ms	21	
		Opening NC				
			min	ms	9	
			max	ms	18	
		Closing NC				
			min	ms	17	
			max	ms	26	
		Opening NC				
			min	ms	7	
			max	ms	17	
	in DC					
		Closing NO				
			min	ms	18	
			max	ms	25	
		Opening NC)			
			min	ms	2	
			max	ms	3	
		Closing NC				
		<u>-</u>	min	ms	3	
			max	ms	5	
		Opening NC		me	0	
		opening ree	min	ms	11	
			max	ms	17	
UL technical data			max	1113	17	
General USE						
	Contactor					
	Contactor		AC current	۸	10	
Contact rating of auxil	ion contacto according to		AC current	А		
	iary contacts according to	JUL			A600 - Q600)
Ambient conditions						
T						
Temperature						
Temperature	Operating temperature	9				
Temperature	Operating temperature)	min	°C	-50	
Temperature)	min max	0° 0°	-50 +70	
Temperature	Operating temperature Storage temperature)	max	°C	+70	
Temperature		•		⊃° ⊃°	+70	
		•	max	°C	+70 -60 +80	
Temperature Max altitude		3	max min	⊃° ⊃°	+70	
	Storage temperature	;	max min	0° 0° 0°	+70 -60 +80	
Max altitude Resistance & Protecti	Storage temperature)	max min	0° 0° 0°	+70 -60 +80	
Max altitude	Storage temperature	3	max min	0° 0° 0°	+70 -60 +80 3000	
Max altitude Resistance & Protecti Pollution degree Dimensions	Storage temperature	;	max min max	0° 0° 0°	+70 -60 +80 3000	
Max altitude Resistance & Protecti Pollution degree Dimensions	Storage temperature	3	max min max	°C °C m	+70 -60 +80 3000 3	
Max altitude Resistance & Protecti Pollution degree Dimensions	Storage temperature	•	max min max	°C °C m	+70 -60 +80 3000	
Max altitude Resistance & Protecti Pollution degree Dimensions 44 $(0.17^{"})$ $(0.17^{"})$	Storage temperature	•	max min max	°C °C °C m	+70 -60 +80 3000 3	
Max altitude Resistance & Protecti Pollution degree Dimensions 44 (0.17")	Storage temperature	, 	max min max	°C °C m	+70 -60 +80 3000 3	
Max altitude Resistance & Protecti Pollution degree Dimensions 44 + (0.17") + (0.17")	Storage temperature	3	max min max	⇒ (2.28°) ⇒ (2.	+70 -60 +80 3000 3	
Max altitude Resistance & Protecti Pollution degree Dimensions 4.4 (0.17") *****	Storage temperature	•	max min max	⁵⁸ ⁵⁸ ² ² ³ ³ ³ ³ ³	+70 -60 +80 3000 3	
Max altitude Resistance & Protecti Pollution degree Dimensions 44 + (1.73") + (0.17") (0.17") + (0.17") + (0.17") (0.17") +	Storage temperature		max min max	⁵⁸ ⁵⁸ ² ² ³ ³ ³ ³ ³	+70 -60 +80 3000 3	
Max altitude Resistance & Protecti Pollution degree Dimensions 44 + (1.73") + (0.17") (0.17") + (0.17") + (0.17") (0.17") +	Storage temperature	; 	max min max	⁵⁸ ⁵⁸ ² ² ³ ³ ³ ³ ³	+70 -60 +80 3000 3 ⁵⁷ -24") RF9	
Max altitude Resistance & Protecti Pollution degree Dimensions 4.4 + (1.73") + (0.17") (0.17") + (0.17") + (0.17") (0.13") + (0.33") + (0.38")	Storage temperature	; 	$\max_{\substack{\text{min}\\max}}$	⁵⁸ ⁵⁸ ² ² ³ ³ ³ ³ ³	+70 -60 +80 3000 3 ⁵⁷ _24")	- 7.6 (0.30")
Max altitude Resistance & Protecti Pollution degree Dimensions 44 + (1.73") + (0.17") (0.17") + (0.17") + (0.17") (0.17") +	Storage temperature		max min max	⁵⁸ ⁵⁸ ² ² ³ ³ ³ ³ ³	+70 -60 +80 3000 3 ⁵⁷ -24") RF9	- 7.6 (0.30")





Certifications and compliance

Compliance		
	CSA C22.2 n° 60947-1	
	CSA C22.2 n° 60947-5-1	
	IEC/EN 60947-1	
	IEC/EN 60947-5-1	
	UL 60947-1	
	UL 60947-5-1	
Certificates		
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000196 - Contactor relay