

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ, 24VAC, 2NO AND 2NC



Number of poles				
Product type designation Contact characteristics Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 IEC Conventional free air thermal current Ith A 32 Operational current Ie AC-1 (≤40°C) A 32 AC-1 (≤55°C) A 32 AC-1 (≤70°C) A 23 AC-1 (≤40°C) A 32 AC-1 (≤70°C) A 23 AC-1 (≤70°C) A 23 AC-1 (≤70°C) A 32 AC-1 (≤70°C) A 23 AC-1 (≤70°C) A 25 AC-3 (≤40°C) A 18 AC-3 (≤40°C) A 18 AC-3 (≤40°C) A 18 A	Product designation			Power contactor
Contact characteristics Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 32 Operational current Ie AC-1 (≤40°C) A 32 AC-1 (≤55°C) A 26 AC-1 (≤55°C) A 26 AC-1 (≤55°C) A 26 AC-1 (≤55°C) A 26 AC-3 (≤440V ≤55°C) A 18 AC-3 (≤440V ≤55°C) A 18 AC-3 (≤440V ≤55°C) A 18 AC-3 (≤440V ≤56°C) A 18 AC-3 (≤440V ≤56°C) A 18 AC-3 (≤440V ≤56°C) A 18 AC-3 (≤40V ≤6°C) A 20 AC-3 (≤40V				
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 32 Operational current Ie AC-1 (≤40°C) A 32 AC-1 (≤55°C) A 26 AC-1 (≤70°C) A 23 AC-3 (≤4400 ≤55°C) A 18 AC-3 (≤4400 ≤55°C) A 18 Rated operational power AC-1 (T≤40°C) 230V kW 21 400V kW 21 400V kW 26 690V kW 26 690V kW 26 Short-time allowable current for 10s (IEC/EN60947-1) Power disciplant for the foliation fuse A 200 20 Protection fuse gG (IEC) A 32 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	Contact characteristics			
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 32 Operational current Ie AC-1 (≤40°C) A 32 AC-1 (≤55°C) A 26 AC-1 (≤70°C) A 23 AC-3 (≤4400 ≤55°C) A 18 AC-3 (≤4400 ≤55°C) A 18 Rated operational power AC-1 (T≤40°C) 230V kW 21 400V kW 21 400V kW 26 690V kW 26 690V kW 26 Short-time allowable current for 10s (IEC/EN60947-1) Power disciplant for the foliation fuse A 200 20 Protection fuse gG (IEC) A 32 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20			Nr.	4
Rated impulse withstand voltage Uimp				
Protection frequency Protection fuse Prot				
min Hz 25 max Hz 400 EEC Conventional free air thermal current lth				
Max		min	Hz	25
IEC Conventional free air thermal current lth				
Operational current le AC-1 (≤40°C)	IEC Conventional free air thermal current Ith			
AC-1 (≤40°C)				
AC-1 (≤55°C) A 26 AC-1 (≤70°C) A 23 AC-3 (≤440V ≤55°C) A 28 AC-3 (≤440V ≤55°C) A 8 AC-4 (400V) A 8.5 AC-4 (400V) AV 21 A00V AV 21 A00V AV 26 A00V AV 26 A00V AV 36 AV A A00V AV A00V AV A00V AV A	-1	AC-1 (≤40°C)	Α	32
AC-1 (≤70°C)				
AC-3 (≤440V ≤55°C) A 18 AC-4 (400V) A 8.5		•		
AC-4 (400V)				
Rated operational power AC-1 (T≤40°C) 230V kW 12 400V kW 21 500V kW 26 690V kW 36 Short-time allowable current for 10s (IEC/EN60947-1) A 200 Protection fuse gG (IEC) A 32 aM (IEC) A 20 Making capacity (RMS value) A 180 Breaking capacity at voltage 440V A 144 500V A 120 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) lth W 2.6 AC-3 W 0.8 Tightening torque for terminals min Nm 1.5 max Nm 1.5 max lbin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1 min lbin 0.74		,		
230V kW 12 400V kW 21 500V kW 26 690V kW 36 500V kW 30 50	Rated operational power AC-1 (T≤40°C)			
A00V kW 21 500V kW 26 690V kW 36	(· · · · · · · · · · · · · · · · · · ·	230V	kW	12
Short-time allowable current for 10s (IEC/EN60947-1)				
Short-time allowable current for 10s (IEC/EN60947-1)				
Short-time allowable current for 10s (IEC/EN60947-1)				
Protection fuse gG (IEC)	Short-time allowable current for 10s (IEC/EN60947-1)			
gG (IEC)				
Making capacity (RMS value)		aG (IEC)	Α	32
Making capacity (RMS value)		• , ,		
Breaking capacity at voltage	Making capacity (RMS value)			
440V A 144 500V A 120 690V A 94				
Soov A 120 690V A 94	3 , ,	440V	Α	144
Resistance per pole (average value) mΩ 2.5			Α	
Resistance per pole (average value) mΩ 2.5				
Power dissipation per pole (average value) Ith W 2.6 AC-3 W 0.8 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74	Resistance per pole (average value)			
Ith W 2.6 AC-3 W 0.8				
AC-3 W 0.8	, ,	Ith	W	2.6
Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5				
min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74	Tightening torque for terminals			
max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74		min	Nm	1.5
min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74				
max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74				
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74				
min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74	Tightening torque for coil terminal	-		
max Nm 1 min Ibin 0.8 max Ibin 0.74		min	Nm	0.8
min Ibin 0.8 max Ibin 0.74				
max Ibin 0.74				
	Max number of wires simultaneously connectable	Пах	Nr.	2



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ, 24VAC, 2NO AND 2NC

Conductor section	ANAIC/I/Corril			
	AWG/Kcmil	max		10
	Flexible w/o lug conductor section	Пах		
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	min	mm²	1
		min max	mm²	1 4
	Flexible with insulated spade lug conductor section	παχ		•
	٠	min	mm²	1
		max	mm²	4
Power terminal protec	ction according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Neight			g	362
Conductor section	ANACO II. II. II. II. II. II. II. II. II. II			
	AWG/kcmil conductor section			10
Operations		max		10
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data			·	
Performance level B1	0d according to EN/ISO 13489-1			
		ated load	cycles	1600000
Virrar aantata aaaard		nical load	cycles	20000000 YES
EMC compatibility	ing to IEC/EN 609474-4-1			yes
AC coil operating				yes
Rated AC voltage at 5	50/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11	
		min	%Us	80
	drop-out	max	%Us	110
	diop out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/116	0.5
		min	%Us %Us	85 110
	drop-out	max	/0US	110
	alop out	min	%Us	20
		max	%Us	55
AC average coil cons				
	of 50/60Hz coil powered at 50Hz			
	oi 50/60Hz coii powered at 50Hz			
	oi 50/60Hz coii powered at 50Hz	in-rush holding	VA VA	75 9



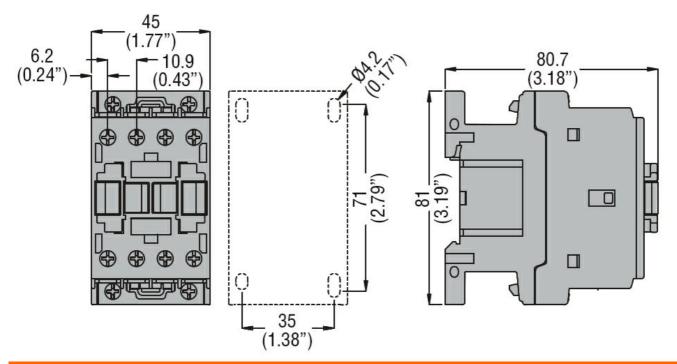


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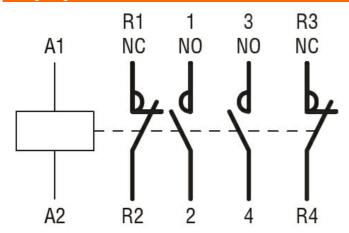
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	9		
	01 001 12 0011 powered at 001 12	in-rush	VA	75
		holding	VA	9
Dissipation at holding :	<20°C 50Hz	riolaling	W	2.5
Max cycles frequency	320 C 301 IZ		VV	2.5
Mechanical operation			cycles/h	3600
Operating times			Cycles/11	3000
Average time for Us co	ontrol			
Average time for 03 cc	in AC			
	Closing NO			
	Closing NO	min		0
		min	ms	8
	On anima NO	max	ms	24
	Opening NO	•		4.0
		min	ms	10
	21	max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
	Opening NC			
		min	ms	7
		max	ms	18
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	Α	14
		at 600V	Α	17
Yielded mechanical pe	erformance			
	for single-phase AC motor			
		110/120V	HP	1
		230V	HP	3
	for three-phase AC motor			
		200/208V	HP	5
		220/230V	HP	5
		460/480V	HP	10
		575/600V	HP	15
General USE		010,000 V	• • •	
Contra COL	Contactor			
	Contactor	AC current	Α	32
Ambient conditions		AC current	Α	J2
Temperature	Operating temperature			
	Operating temperature	•	۰.	F0
		min	°C	-50 -70
	01	max	°C	70
	Storage temperature		2 -	
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3
Dimensions				

ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 50/60HZ, 24VAC, 2NO AND 2NC



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching