

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH 110...125VAC

ENERGY AND AUTOMATION



Product designation			Power contactor B400
Product type designation Contact characteristics			Б400
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		IX V	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	IIIdx	A	550
Operational current le			330
Operational current le	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	A	430
	AC-1 (≤33°C) AC-1 (≤70°C)	A	360
	AC-1 (≤70 C) AC-3 (≤440V ≤55°C)	A	420
	AC-3 (<u>3440V</u> <u>355 C)</u> AC-4 (400V)	A	200
Rated operational power AC-3 (T≤55°C)	AO-4 (400V)		200
Trated operational power AO-5 (1=55 O)	400V	kW	225
Rated operational power AC-1 (T≤40°C)	400 V	KVV	223
Trated operational power AC-1 (1340 C)	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	090 V	KVV	390
The max current le in DCT with Lift 2 mis with 1 poles in series	75V	Α	400
	110V	A	250
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	400 V		
The max current le in bot with bit a mile with 2 poles in series	75V	Α	400
	110V	A	400
	220V	A	350
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	400 V		
TEC max current le in DCT with E/N = mis with 5 poles in series	75V	۸	400
	110V	A A	400 400
	220V	A	400
	330V		350
	460V	Α Δ	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	4007	A	
TEC max current le in DCT with L/R > This with 4 poles in series	7E\/	٨	400
	75V	A	400
	110V	A	400
	220V	Α	400

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110...125VAC

	330V	Α	400
	460V	Α	350
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
•	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
120 max carrent to in 200 200 mai 2/11 forms mai 2 poiss in cones	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	A	
	460V	A	
IFC many assemble in DC2 DC5 with L/D < 45 may with 2 males in acrise	400 V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	75)/	Δ.	050
	75V	A	350
	110V	A	350
	220V	A	350
	330V	Α	280
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	Α	280
	460V	Α	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse			
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)	, ,	Α	4200
Breaking capacity at voltage			
	440V	Α	4000
	500V	A	3400
	690V	Α	3360
Resistance per pole (average value)	000 V	mΩ	0.2
Power dissipation per pole (average value)		11122	0.2
i owei dissipation per pole (average value)	Ith	W	52
	AC-3	W	
Tightaning tagens for tagens als	AC-3	VV	32
Tightening torque for terminals	•	N1	0.5
	min	Nm	35
	max ·	Nm	35
	min	lbin 	25.8
	max	Ibin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2x 300 kcmil



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	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	1024
Conductor section				
	AWG/kcmil conductor section			
		max		2x 300 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data			, , , , ,	
•	Od according to EN/ISO 13489-1			
onomiano iovoi Biv	54 400014mig to 214/100 10 100 1	rated load	cycles	700000
		mechanical load	cycles	1000000
Mirror contate accordi	ng to IEC/EN 609474-4-1	medianical load	cycles	
	19 to 120/214 0034/4-4-1			yes
EMC compatibility AC coil operating				yes
	0/60U= 60U=			
Rated AC voltage at 50	U/OUMZ, OUMZ	•		110
		min	V	110
		max	V	125
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up			
	·	min	%Us	80
		max	%Us	110
	drop-out			
	a. sp - sa.	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz	max	,,,,,	
	pick-up			
	plot up	min	%Us	80
		max	%Us	110
	drop-out	IIIdX	/003	110
	αιορ-οαι	min	%Us	20
			%Us %Us	60
AC average soil as as:	umption at 20°C	max	/oUS	UU
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz		1/4	200
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	10
			W	

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DC coil operating				
DC rated control voltage	e			
		min	V	110
		max	V	125
DC operating voltage				
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
Average coil consumpt	ion ≤20°C			
		in-rush	W	300
		holding	W	10
Max cycles frequency				
Mechanical operation			cycles/h	2400
Operating times				
Average time for Us co				
	in AC			
	Closing NO			
		min	ms	80
		max	ms	120
	Opening NO	_		
		min	ms	30
		max	ms	75
	in DC			
	Closing NO			
		min	ms	80
		max	ms	120
	Opening NO			
		min	ms	30
The second second		max	ms	75
UL technical data	f			
Full-load current (FLA)	for three-phase AC motor			
		at 480V	A	414
Walle I I I		at 600V	Α	382
Yielded mechanical per				
	for three-phase AC motor	222/222		405
		200/208V	HP	125
		220/230V	HP	150
		460/480V	HP	350
Conorol LICE		575/600V	HP	400
General USE	Contactor			
	Contactor	AO	٨	EEO
Chart singuit a cotoo!	f.: COOV	AC current	A	550
Short-circuit protection				
	Standard fault	Observation 10 cm of	Ι. Λ	4.0
		Short circuit current	kA ^	18
		Fuse rating	Α	800
A sobject as a ditions		Fuse class		L
Ambient conditions				
Temperature	Operation a town a section			
	Operating temperature		°C	F0
		min	°C	-50



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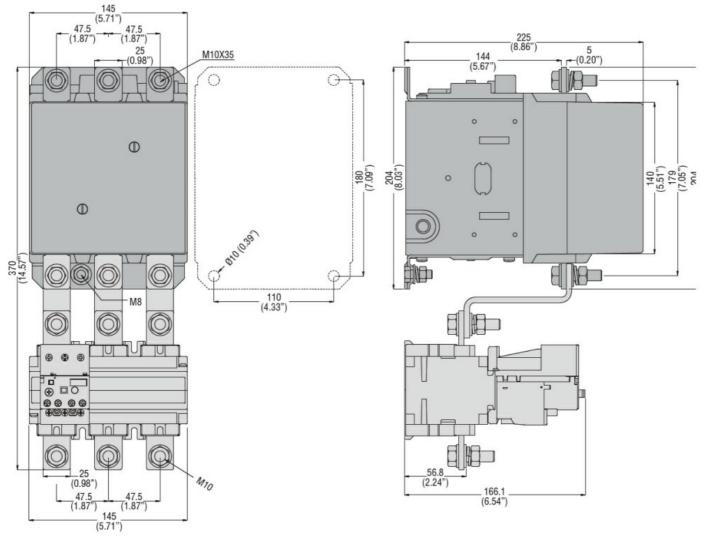
	max	°C	70
Storage temperature			_
	min	°C	-60
	max	°C	80
		m	3000

Resistance & Protection

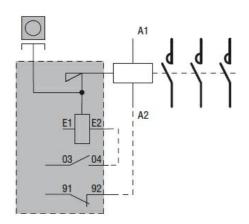
3 Pollution degree

Dimensions

Max altitude



Wiring diagrams



Certifications and compliance

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Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching