





Product designation Product type designation			Power contactor B400
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-3 (T≤55°C)			400
	230V	kW	130
	400V	kW	225
	415V	kW	247
	440V	kW	263
	500V 690V	kW kW	271 352
	1000V	kW	208
Rated operational power AC-1 (T≤40°C)	1000 V	KVV	200
Trated operational power AC-1 (1240 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			
	75V	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
150			
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	75V	Α	400
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	75V 110V 220V	A A	400 400 400



	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	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	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	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
01 (1) 11 11 11 11 11 11 11 11 11 11 11 11 1	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse	. 0 (150)		000
	gG (IEC)	A	630
Making appeals (DMC calca)	aM (IEC)	A	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage	4.40\/	^	4000
	440V	A	4000
	500V	A	3400
Pagiatanas par pala (ayaraga yalya)	690V	A	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)	1414	147	5 2
	Ith	W	52
Tightoning torque for terminals	AC-3	W	32
Tightening torque for terminals	min	Nim	25
	min	Nm Nm	35 35
	max	Nm	35
	min	lbin Ibin	25.8
Tightening torque for coil terminal	max	Ibin	25.8
Tightening torque for coil terminal	mair	Nima	1
	min	Nm Nm	1
	max	Nm	1



		min	Ibin	0.74
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		2x 300 kcmil
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9620
Conductor section				
	AWG/kcmil conductor section			
		max		2x 300 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	10000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			yes
Mirror contats according EMC compatibility	ng to IEC/EN 609474-4-1			yes yes
	ng to IEC/EN 609474-4-1			
EMC compatibility				
EMC compatibility AC coil operating		min	V	
EMC compatibility AC coil operating		min max	V	yes
EMC compatibility AC coil operating				yes 110
EMC compatibility AC coil operating Rated AC voltage at 5				yes 110
EMC compatibility AC coil operating Rated AC voltage at 5	0/60Hz, 60Hz			yes 110
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz			yes 110
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	max	V	yes 110 125
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	max	V %Us	yes 110 125
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max	V %Us	yes 110 125
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max min max	V %Us %Us	yes 110 125 80 110
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max min max min	V %Us %Us %Us	yes 110 125 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max min max min	V %Us %Us %Us	yes 110 125 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	V %Us %Us %Us	yes 110 125 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us	yes 110 125 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max	V %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max min max	%Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60 80 80
EMC compatibility AC coil operating Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz pick-up	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	yes 110 125 80 110 20 60 80 110 20 60 80 80

AC average coil consumption at 20°C

of 50/60Hz coil powered at 50Hz

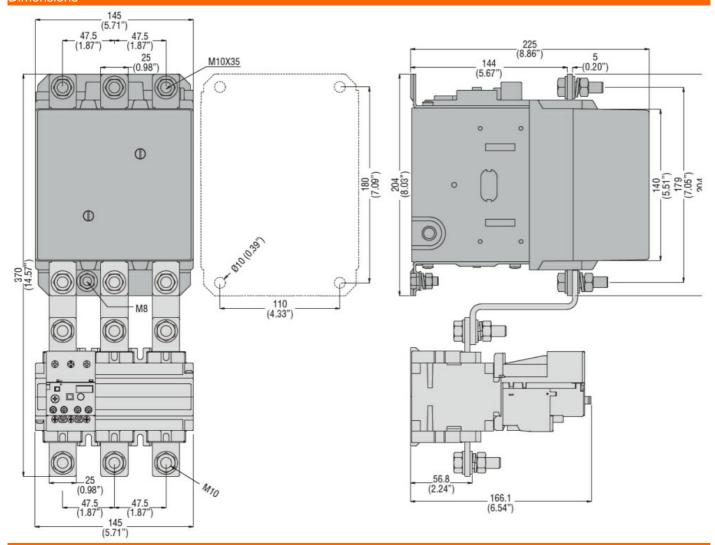


			in-rush	VA	300
			holding	VA	10
	of 50/60Hz coil power	ered at 60Hz	<u> </u>		
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	<20°C 50H-		Helding	W	10
DC coil operating	320 C 30HZ			VV	10
DC rated control voltage	ge				
			min	V	110
-			max	V	125
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out			,,,,,	
	arop out		min	%Us	20
A	1' 40000		max	%Us	60
Average coil consump	otion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
Avorago umo for co oc	in AC				
	III AC	Closing NO			
		Closing NO			0.0
			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			0
		Sporming 110	min	ms	30
			max	ms	75
UL technical data			illax	1110	10
	for three where AC	otor			
Full-load current (FLA)	i ioi iiiiee-phase AC m	IUIUI			44.4
			at 480V	A	414
			at 600V	Α	382
Yielded mechanical pe	erformance				
	for three-phase AC r	motor			
			200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
			575/600V	HP	400
General USE			27 07 00 0 V		
Johnson UUL	Contactor				
	Contactor		A C	Λ	550
<u></u>			AC current	Α	550
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18



		Fuse rating	Α	800
		Fuse class		L
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3

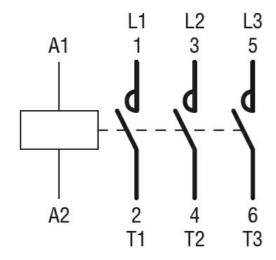
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL, 110...125VAC/DC



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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