



Product designation			Power contactor
Product type designation Contact characteristics			B310
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		K V	0
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	450
Operational current le		- , ,	100
operational carrent to	AC-1 (≤40°C)	Α	450
	AC-1 (≤55°C)	Α	370
	AC-1 (≤70°C)	Α	300
	AC-3 (≤440V ≤55°C)	Α	320
	AC-4 (400V)	Α	150
Rated operational power AC-3 (T≤55°C)	, ,		
	230V	kW	100
	400V	kW	170
	415V	kW	188
	440V	kW	200
	500V	kW	213
	690V	kW	256
	1000V	kW	180
Rated operational power AC-1 (T≤40°C)			
	230V	kW	158
	400V	kW	270
	500V	kW	350
	690V	kW	488
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	375
	110V	Α	195
	220V	A	
	330V	A	
IFC many augment to in DC4 with 1/D < 4 may with 2 males in somice	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	75\/	٨	275
	75V 110V	A	375 350
	220V	A A	350 300
	330V	A	300
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	T00 V		
.25 max sarront to in 201 mar 2/12 mile with a police in solice	75V	Α	375
	110V	A	350
	220V	Α	350
	2201	- •	300



	330V	Α	300
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			_
	75V	Α	375
	110V	A	350
	220V	Α	350
	330V	A	350
	460V	A	
150 DOO DOO 111 L/D 445 111 4 1 1 1 1	460 V	A	300
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series		_	
	75V	Α	310
	110V	Α	170
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	310
	110V	A	290
	220V	A	230
	330V	A	
-	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	310
	110V	Α	310
	220V	Α	290
	330V	Α	230
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			_
120 max current to in 200-200 with 2/1 2 forms with 4 poics in series	75V	Α	310
	110V	A	310
	220V	Α	310
	330V	Α	230
	460V	Α	230
Short-time allowable current for 10s (IEC/EN60947-1)		Α	2900
Protection fuse			
	gG (IEC)	Α	500
	aM (IEC)	Α	400
Making capacity (RMS value)	· ,	Α	3150
Breaking capacity at voltage			
Disaming supusity at voltage	440V	Α	3000
	500V	A	2700
Position and the second of	690V	Α	2520
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	40.5
	AC-3	W	20
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
		lbin	25.8
Tightoning targue for soil terminal	max	וווטו	20.0
Tightening torque for coil terminal	•		4
	min	Nm	1
	max	Nm	1



		min	Ibin	0.74
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	ANA(O.//			
	AWG/Kcmil	may		24.2/0
Power terminal protes	tion according to IEC/EN 60529	max		2x 3/0 IP00
Mechanical features	tion according to IEC/EN 60329			IPUU
Operating position				
operating position		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9490
Conductor section				
	AWG/kcmil conductor section			
		max		2x 3/0
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data	0d according to EN/ISO 13489-1			
Periormance level bit	Ja according to EN/13O 13469-1	rated load	cycles	700000
		mechanical load	cycles	1000000
Mirror contats accordi	ng to IEC/EN 609474-4-1	moonamou load	0,0100	yes
EMC compatibility	19 10 1.20/211 000 11 1 1			yes
AC coil operating				,
Rated AC voltage at 5	0/60Hz		V	60
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11-	00
		min max	%Us %Us	20
	- (FO/0011 'l - (0011			
		IIIax	70US	60
	of 50/60Hz coil powered at 60Hz	IIIax	%US	60
	of 50/60Hz coil powered at 60Hz pick-up			
		min	%Us	80
	pick-up			
		min	%Us	80
	pick-up drop-out	min max	%Us %Us	80 110
	pick-up	min max min	%Us %Us %Us	80 110 20
	pick-up drop-out	min max min max	%Us %Us %Us %Us	80 110 20 60
	pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min	%Us %Us %Us %Us %Us	80 110 20 60
	pick-up drop-out of 60Hz coil powered at 60Hz pick-up	min max min max	%Us %Us %Us %Us	80 110 20 60
	pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min max	%Us %Us %Us %Us %Us	80 110 20 60 80 110
	pick-up drop-out of 60Hz coil powered at 60Hz pick-up	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC average coil consu	pick-up drop-out of 60Hz coil powered at 60Hz pick-up drop-out	min max min max min max	%Us %Us %Us %Us %Us	80 110 20 60 80 110
AC average coil consu	pick-up drop-out of 60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20
AC average coil consu	pick-up drop-out of 60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 60 80 110 20 60
AC average coil consu	pick-up drop-out of 60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 60 80 110 20



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	of 50/60Hz coil power	ed at 60Hz			
			in-rush	VA	300
			holding	VA	10
Dissipation at holding ≤	20°C 50Hz			W	10
DC coil operating					
DC rated control voltag	е			V	60
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
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC mo	tor			
			at 480V	Α	301
			at 600V	Α	289
Yielded mechanical per					
	for three-phase AC me	otor			
			200/208V	HP	100
			220/230V	HP	125
			460/480V	HP	250
			575/600V	HP	300
General USE					
	Contactor				
			AC current	Α	450
Short-circuit protection	fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					



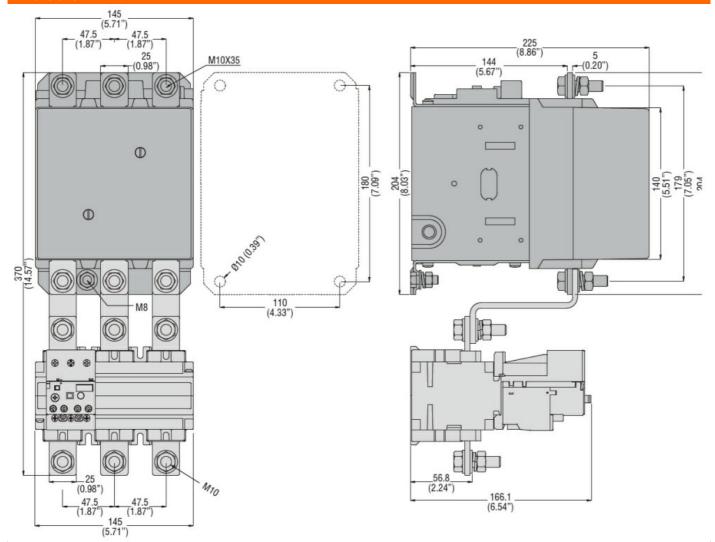
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
		m	3000

Resistance & Protection

Pollution degree 3

Dimensions

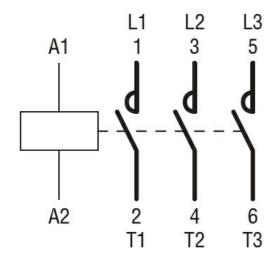
Max altitude



Wiring diagrams

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 320A, AC/DC COIL,



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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