



Product designation			Power contactor
Product type designation			B310
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	450
Operational current le			
	AC-1 (≤40°C)	Α	450
	AC-1 (≤55°C)	Α	370
	AC-1 (≤70°C)	Α	300
A	AC-3 (≤440V ≤55°C)	Α	320
·	AC-4 (400V)	Α	110
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
Data di angestiana li navvari A.O. 4 (T<40°O)	1000V	kW	180
Rated operational power AC-1 (T≤40°C)	0001/		450
	230V	kW	158
	400V	kW	270
	440480V	kW	350
IFO many assert to in DOA with 1/D < 4 many with 4 males in applies	690V	kW	488
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	75)/		075
	75V	A	375
	110V	A	195
	220V	A	
	330V	A	
IEC may current to in DC1 with L/D < 1 ma with 2 notes in carios	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	
	330V	A	300
	460V	A A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	400 /		
ILO max current le in DOT with L/K > mis with 3 poles in series	75V	۸	375
	75V 110V	A	375
		Α	350
	220V	Α	350



	330V	Α	300
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	375
	110V	Α	350
	220V	Α	350
	330V	Α	350
	460V	Α	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	100 1		
The max current to in 600-600 with ETC 2 Tomb with 2 poics in series	75V	Α	310
	110V	A	290
	220V	A	230
	330V	A	230
IFO was a support to in DO2 DO5 with 1/D < 45 and with 2 and a in action	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	751		0.4.0
	75V	Α	310
	110V	Α	310
	220V	Α	290
	330V	Α	230
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	310
	110V	Α	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			
g cop accorde	440V	Α	3000
	500V	Α	2700
	690V	Α	2520
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)		11122	0.2
i over dissipation per pole (average value)	Ith	W	40.5
	AC3	W	40.5 20
Tightening torque for terminals	AUS	٧٧	20
rigiteiling torque for terrilliais		Nice	25
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1



	min	lbft	0.74
	max	lbft	0.74
Max number of wires simultaneously connectable		nr.	2
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	9520
Operations			
Mechanical life		cycles	10000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			700000
	rated load	cycles	700000
M'	mechanical load	cycles	1000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating Rated AC voltage at 50/60Hz, 60Hz			
Rated AC Voltage at 50/60Hz, 60Hz	min	V	24
	max	V	480
AC operating voltage	IIIax	V	400
of 50/60Hz coil powered at 50Hz			
pick-up			
ριοκ αρ	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			
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out	•	0/11-	20
	min	%Us	20
AC approxima voltage at 20°C	max	%Us	60
AC operating voltage at 20°C			
of 50/60Hz coil powered at 50Hz	امنسيا	١/٨	200
	in-rush	VA VA	300
of 50/001 = asil assured at 001 =	holding	VA	10
of 50/60Hz coil powered at 60Hz	the second	1/4	200
	in-rush	VA	300
Discipation at holding <20°C FOLI-	holding	VA	10
Dissipation at holding ≤20°C 50Hz		W	10



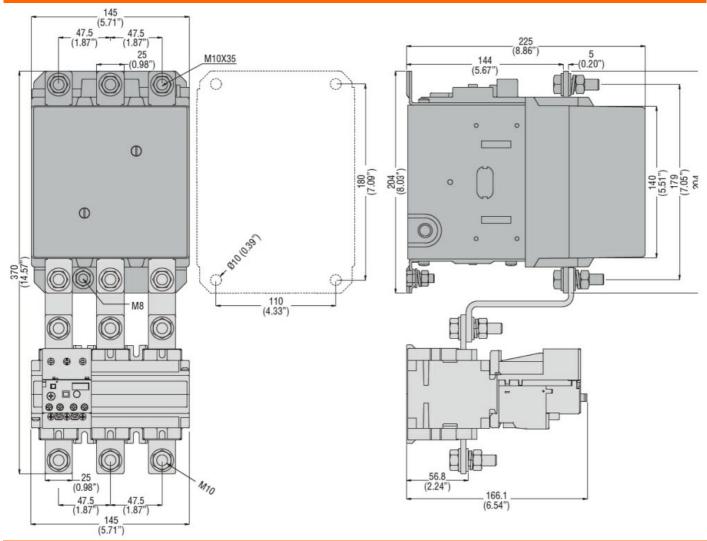
DC rated control voltage	je				
			min	V	24
-			max	V	500
DC operating voltage					
	pick-up		min	%Us	80
			max	%Us %Us	110
	drop-out		max	7003	110
	arop cat		min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times	untrol				
Average time for Us co	in AC				
	III AU	Closing NO			
		2.229	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			0.0
			min	ms ms	80 120
		Opening NO	max	ms	120
		Opening 140	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC mot	or			
			at 480V		301
			at 600V	Α	289
Yielded mechanical pe		4			
	for three-phase AC mo	τοτ	200/2001	hn	100
			200/208V 220/230V	hp hp	100 125
			460/480V	hp	250
			575/600V	hp	300
General USE					
	Contactor				
			AC current	Α	450
Ambient conditions					
Temperature					
	Operating temperature		. •	۰.	50
			min	°C °C	-50 70
	Storage temperature		max	C	70
	Sicrage temperature		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	n				

ENERGY AND AUTOMATION

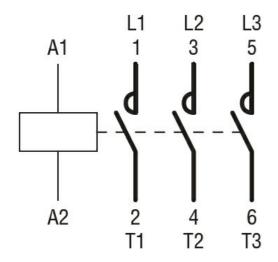
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 320A, AC/DC COIL, 220...240VAC/DC

Pollution degree 3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1



11B31000220

	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC