



Product designation Product type designation			Power contactor B310
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			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	450
Operational current le			
	AC-1 (≤40°C)	А	450
	AC-1 (≤55°C)	А	370
	AC-1 (≤70°C)	А	300
	AC-3 (≤440V ≤55°C)	А	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 $L/R \le 1$ ms with 1 poles in series			
	75V	A	375
	110V	A	195
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series		۸	075
	75V	A	375
	110V	A	350
	220V	A	300
	330V	A	
IFC may current to in DC1 with L/P < 1mg with 2 palog in series	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	751/	۸	275
	75V 110V	A	375
	110V	A	350 350
	220V	A	350



11B3100024 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 320A, AC/DC COIL, 24VAC/DC

	330V	Α	300
	460V	А	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
•	75V	А	375
	110V	A	350
	220V	A	350
	330V	A	350
	460V	Α	300
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	75V	А	310
	110V	Α	170
	220V	Α	
	330V	А	
	460V	А	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	А	310
	110V	A	290
	220V	A	230
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	75V	Α	310
	110V	А	310
	220V	А	290
	330V	A	230
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	400 V	Α	
IEC max current le in DC3-DC3 with L/R ≤ 15ms with 4 poles in series	751/		040
	75V	A	310
	110V	А	310
	220V	Α	310
	330V	Α	230
	460V	Α	230
Short-time allowable current for 10s (IEC/EN60947-1)		А	2900
Protection fuse			
	gG (IEC)	А	500
	- · ·		400
	aM (IEC)	A	
Making capacity (RMS value)		Α	3150
Breaking capacity at voltage			
	440V	А	3000
	500V	А	2700
	690V	Α	2520
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	40.5
	AC3	W	20
Tightoning torque for terminale	AUS	VV	20
Tightening torque for terminals			05
	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
	Παλ	1 11 11	

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(AC3) = 320A,	AC/D	С	С	OIL,	
	24\	1 A	١C)/DC	

		min	lbin	0.74
Maximum		max	Ibin	0.74
Max number of wires s Conductor section	simultaneously connectable		Nr.	2
Conductor Section	AWG/Kcmil			
	AWG/Remin	max		2x 3/0
Power terminal protec	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9690
Conductor section	AWG/kcmil conductor section			
	AVVG/KCMII CONductor Section	max		2x 3/0
Operations		IIIdX		2x 3/0
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data				
	0d according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	1000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating			N/	24
Rated AC voltage at 5 AC operating voltage	0/60H2		V	24
AC operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	Front of	min	%Us	80
				00
		max	%Us	110
	drop-out	max	%Us	
	drop-out	max	%Us	110 20
				110
	of 50/60Hz coil powered at 60Hz	min	%Us	110 20
		min max	%Us %Us	110 20 60
	of 50/60Hz coil powered at 60Hz	min max min	%Us %Us %Us	110 20 60 80
	of 50/60Hz coil powered at 60Hz pick-up	min max	%Us %Us	110 20 60
	of 50/60Hz coil powered at 60Hz	min max min max	%Us %Us %Us %Us	110 20 60 80 110
	of 50/60Hz coil powered at 60Hz pick-up	min max min	%Us %Us %Us	110 20 60 80
	of 50/60Hz coil powered at 60Hz pick-up	min max min max min	%Us %Us %Us %Us %Us	110 20 60 80 110 20
	of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz	min max min max min	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60 80
	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	%Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60
	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	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60 80 110
	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	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60 80 110 20 20 20
	of 50/60Hz coil powered at 60Hz 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	110 20 60 80 110 20 60 80 110
AC average coil consu	of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max min	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60 80 110 20 20 20
AC average coil consu	of 50/60Hz coil powered at 60Hz pick-up drop-out of 60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max min	%Us %Us %Us %Us %Us %Us %Us	110 20 60 80 110 20 60 80 110 20 20 20



	(50/0011 - 1				
	of 50/60Hz coil pow	ered at 60Hz			
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	≤20°C 50Hz		<u> </u>	W	10
DC coil operating	-20 0 00112				10
					0.4
DC rated control voltage	ge			V	24
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	dran out		Ших	/000	110
	drop-out			0/11	~~
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
				W	
			holding	VV	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
	in AC				
	III AC				
		Closing NO	_		
			min	ms	80
			max	ms	120
		Opening NO			
		- T - 5 -	min	ms	30
			max	ms	75
			IIIdx	1115	15
	in DC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
		Opening NO	min	-	20
			min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)) for three-phase AC n	notor			
· · · ·			at 480V	А	301
			at 600V	A	289
Violdod mechaniael -	rformonoo		ai 000 V	Л	200
Yielded mechanical pe					
	for three-phase AC	motor			
			200/208V	HP	100
			220/230V	HP	125
			460/480V	HP	250
			575/600V	HP	
0			0/000/070		300
General USE					
	Contactor				
			AC current	А	450
Short-circuit protection	n fuse 600V				
	Standard fault				
	Stanuaru lault				10
			Short circuit current	kA	18
			Fuse rating	А	800
			Fuse class		L
Ambient conditions					
o or relief of the					

Temperature

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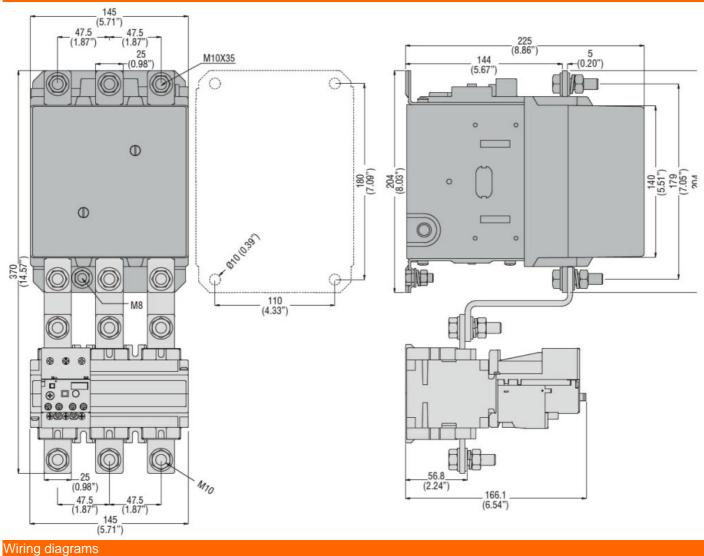


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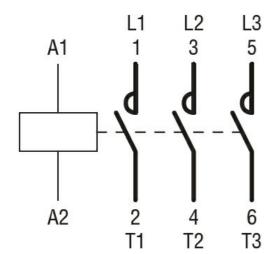
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
ude			m	3000
nce & Protectio	n			
degree				3

Dimensions

Max altitu Resistand Pollution







Certifications and compliance

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