



Product designation Product type designation			Power contactor B145
Contact characteristics			D140
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	250
Operational current le			
	AC-1 (=40°C)	Α	250
	AC-1 (=55°C)	Α	235
	AC-1 (=70°C)	Α	190
	AC-3 (=440V =55°C)	Α	150
	AC-4 (400V)	Α	57
Rated operational power AC-3 (T=55°C)			
	230V	kW	46
	400V	kW	80
	415V	kW	88
	440V	kW	93
	500V	kW	100
	690V	kW	120
	1000V	kW	75
Rated operational power AC-1 (T=40°C)			
	230V	kW	91
	400V	kW	150
	500V	kW	196
IFC many augment to im DC4 with L/D. Amounith 4 males in series	690V	kW	270
IEC max current le in DC1 with L/R = 1ms with 1 poles in series	75\/	۸	220
	75V	A	220
	110V	A	110
	220V	A	_
	330V 460V	A A	_
IEC max current le in DC1 with L/R = 1ms with 2 poles in series	400 V		_
TEO MAX GUITERILIE III DOT WILL DIX – THIS WILL 2 POICS III SCHES	75V	Α	220
	110V	A	150
	220V	A	130
	330V	A	-
	460V	A	_
IEC max current le in DC1 with L/R = 1ms with 3 poles in series	100 V		
Oshon to m bo t man bit = mio man o poloo in dolloo	75V	Α	220
	110V	Α	150
	220V	Α	150
	2201	- •	



	330V	Α	130
	460V	Α	_
IEC max current le in DC1 with L/R = 1ms with 4 poles in series			
'	75V	Α	220
	110V	Α	150
	220V	Α	150
	330V	Α	150
	460V	Α	130
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series		,,	
TEO Max outlone to in 200 200 with 210 = Tomo with 1 poloo in conco	75V	Α	160
	110V	A	80
	220V	A	_
	330V	A	_
IFO was a summer to be DOO DOO with 1/D. After a with 0 males in a said	460V	Α	
IEC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series	751		400
	75V	A	160
	110V	Α	120
	220V	Α	90
	330V	Α	_
	460V	Α	_
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series			
	75V	Α	160
	110V	Α	140
	220V	Α	120
	330V	Α	90
	460V	Α	_
IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series			
	75V	Α	160
	110V	Α	140
	220V	Α	140
	330V	Α	140
	460V	Α	90
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1300
Protection fuse			
1 Totalion Tube	gG (IEC)	Α	250
	aM (IEC)	A	160
Making capacity (RMS value)	aivi (ILC)		1500
		Α	1300
Breaking capacity at voltage	4.40\/	٨	1500
	440V	A	1500
	500V	A	1400
	690V	Α	1200
Resistance per pole (average value)		m?	0.3
Power dissipation per pole (average value)			
	Ith	W	14.5
	AC3	W	6.8
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	Ibin	13.3
	max	lbin	13.3
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	11167		•



		min	lbin	0.74
		max	Ibin	0.74
Max number of wires s	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		4/0
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position		normal		Vertical plan
		normal allowable		Vertical plan ±30°
Fixing		allowable		Screw
Weight			g	5420
Conductor section			<u> </u>	0.20
	AWG/kcmil conductor section			
		max		4/0
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1100000
Mirror contato coccadi		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility AC coil operating				yes
Rated AC voltage at 5	0/60Hz		V	24
AC operating voltage	0,00112		•	
The opening config	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	IIIdA	/0 0 3	110
	010p 00t	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11	00
		min	%Us	20
AC average sail sage:	umption at 20°C	max	%Us	60
AC average coil consu	of 50/60Hz coil powered at 50Hz			
	or solver iz con powered at sumz	in-rush	VA	300
		holding	VA VA	10
		Holding	٧,١	

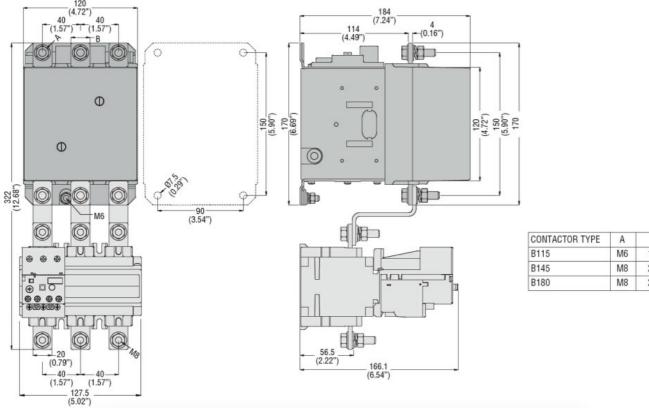


	of 50/60Hz coil pow	ered at 60Hz			
			in-rush	VA	300
			holding	VA	10
Dissipation at holding	=20°C 50H 7			W	10
DC coil operating	-20 O 30HZ			VV	10
				\/	24
DC rated control voltage	ge			V	24
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
	•		min	%Us	20
			max	%Us	60
Average coil consump	tion =20°C		max	7000	
Average con consump	111011 -20 C		مام سرمان	147	200
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
-	in AC				
	-	Closing NO			
		Closing IVC	min	ms	60
					100
		On anima NO	max	ms	100
		Opening NO			
			min	ms	25
			max	ms	60
	in DC				
		Closing NO			
			min	ms	60
			max	ms	100
		Opening NO			
		opolining itto	min	ms	25
					60
III. tachnical data			max	ms	00
UL technical data					
Full-load current (FLA)	for three-phase AC m	notor		_	
			at 480V	Α	124
			at 600V	Α	125
Yielded mechanical pe					
	for three-phase AC	motor			
			200/208V	HP	50
			220/230V	HP	50
General USE					
Contoral CCL	Contactor				
	Jonadol		AC current	٨	250
Object also if a city	- f 000V		AC current	Α	200
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	Α	500
			Fuse class		RK5
Ambient conditions					
Temperature					
Tomporaturo	Operating temperate	ıro			
	Operating temperatu	N €		°C	E0
			min	°C	-50



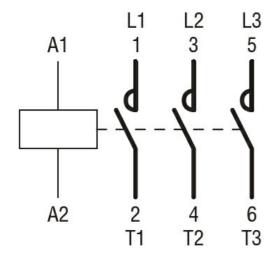
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions



CONTACTOR TYPE	Α	В
B115	M6	15 (0.59")
B145	M8	20 (0.79")
R180	M8	20 (0.79")

Wiring diagrams



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



11B1450024

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 150A, AC/DC COIL, 24VAC/DC

	UL 60947-1	
	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
	EAC	

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching