THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 150A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH 380...415VAC

ENERGY AND AUTOMATION



Product designation			Power contactor
Product type designation			B145
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	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)			
	400V	kW	80
Rated operational power AC-1 (T≤40°C)			
	230V	kW	91
	400V	kW	150
	500V	kW	196
	690V	kW	270
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	220
	110V	Α	110
	220V	Α	_
	330V	Α	_
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	220
	110V	Α	150
	220V	Α	130
	330V	Α	_
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	220
	110V	Α	150
	220V	Α	150
	330V	Α	130
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	220
	110V	A	150
	220V	Α	150

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ENERGY AND AUTOMATION

380...415VAC

	330V	Α	150
	460V	Α	130
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	160
	110V	Α	80
	220V	Α	_
	330V	A	
	460V	A	_
IFC many assemble in DC2 DCE with L/D < 45 mag with 2 males in acrise	400 V	<u> </u>	_ -
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	75)/	۸	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	400 V		
TEC max current le in DC3-DC3 with E/K = 13ms 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			
	gG (IEC)	Α	250
	aM (IEC)	Α	160
Making capacity (RMS value)	,	Α	1500
Breaking capacity at voltage			
	440V	Α	1500
	500V	A	1400
	690V		1200
Desistance manuals (successive)	090 V	Α	
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)			
	Ith	W	14.5
	AC-3	W	6.8
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	Ibin	13.3
	max	Ibin	13.3
Tightening torque for coil terminal			
<u> </u>	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
May no make an of unique primary them are the same at all 1.	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		4/0

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 150A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION 380...415VAC/DC, WIEGITANICAL LATCH (G495), 500...415VAC/DC, WIEGITANICAL LATCH

Power terminal protect	ion according to IEC/EN 60529			IP00
Mechanical features	3			
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	6250
Conductor section				
	AWG/kcmil conductor section			
		max		4/0
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		rated load	cycles	1100000
	150/51100045444	mechanical load	cycles	10000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	0/00 I = 00 I =			
Rated AC voltage at 50	0/60HZ, 60HZ		\ /	200
		min	V V	380 415
AC operating voltage		max	V	410
AC operating voltage	of 50/60Hz coil powered at 50Hz			
	of 50/60Hz coil powered at 50Hz pick-up			
	ріск-ир	min	%Us	80
		max	%Us	110
	drop-out	max	7000	110
	diop 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	0.0
		min	%Us	20
10		max	%Us	60
AC average coil consu				
	of 50/60Hz coil powered at 50Hz	عامريس منا	١/٨	200
		in-rush	VA VA	300 10
	of 50/60Hz coil powered at 60Hz	holding	VA	10
	of 50/00112 coil powered at 60Hz	in-rush	VA	300
		holding	VA VA	10
	\$20°C 50Hz	Holding	W	10
				-

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ENERGY AND AUTOMATION

DC rated control voltage min	DC coil operating						
Min	-	Α					
DC Operating voltage pick-up min max v v v v v v v v v	Do rated control voltag			min	\/	380	
DC operating voltage pick-up min max wus 110 max wus 110 max wus 110 max wus 110 max wus 10 max wus 100 max wus 10 max wus 100 max max max max max 100 max max max max max 100 max max max max 100 max							
Pick-up	DC operating voltage			IIIdA	v	110	
min	20 operating voltage	pick-up					
Max Mus Mus		ριοιτ αρ		min	%Us	80	
Average coil consumption ≤20°C							
Min		drop-out					
Average coil consumption ≤20°C In-rush W 300 Max cycles frequency Max cycles frequency Max cycles frequency Mechanical operation Cycles/h 2400 Operating times Average time for Us control In AC		•		min	%Us	20	
In-rush holding W 300 holding W 10				max	%Us	60	
Max cycles frequency Mechanical operation cycles/h 2400 Operating times Average time for Us control in AC min ms 60 Closing NO min ms 60 in DC min ms 60 Closing NO min ms 60 Max ms 25 Max ms 25 Max ms 25 Max ms 250 Short-circuit protection fuse, 600V	Average coil consumpt	ion ≤20°C				·	
Machanical operation cycles/h 2400 Operating times Average time for Us control In AC Closing NO min ms 60 Max ms 60 Depening NO min ms 60 UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 124 Full-load current (FLA) for three-phase AC motor at 480V A 124 Yielded mechanical performance at 480V A 125 Yielded mechanical performance for three-phase AC motor 200/208V HP 50 General USE Contactor AC current A 50 Short-circuit protection fuse, 600V Short-circuit current KA 5 <th c<="" td=""><td></td><td></td><td></td><td>in-rush</td><td>W</td><td>300</td></th>	<td></td> <td></td> <td></td> <td>in-rush</td> <td>W</td> <td>300</td>				in-rush	W	300
Mechanical operation cycles/h 2400 Operating times Average time for Us control Closing NO min ms 60 max ms 60							

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ENERGY AND AUTOMATION

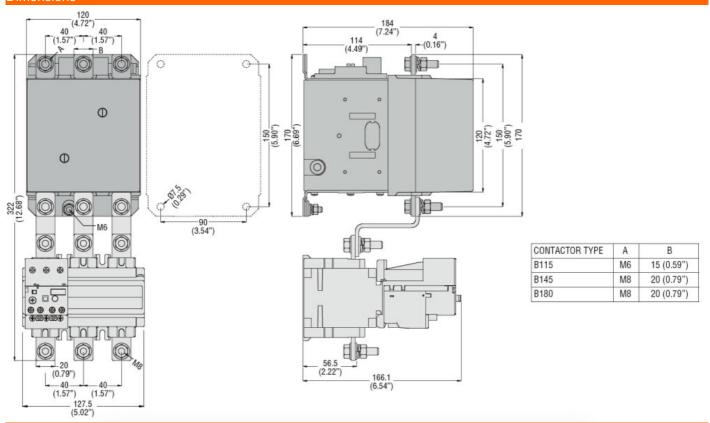
°C -60 min °C 80 max

Max altitude 3000 m

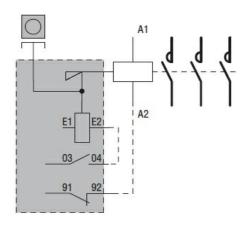
Resistance & Protection

3 Pollution degree

Dimensions



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

UL 60947-1

UL 60947-4-1

Certificates

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CCC			
cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching