THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 630A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 220...240VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION 110...125VAC



Product designation			Power contactor
Product type designation			B630
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	800
Operational current le			
	AC-1 (≤40°C)	Α	800
	AC-1 (≤55°C)	Α	640
	AC-1 (≤70°C)	Α	540
	AC-3 (≤440V ≤55°C)	Α	630
	AC-4 (400V)	Α	260
Rated operational power AC-3 (T≤55°C)	400)/		0.5.5
D. (1 (7 (1000)	400V	kW	355
Rated operational power AC-1 (T≤40°C)	0001/		000
	230V	kW	288
	400V	kW	500
	500V	kW	655
IFC may current to in DC1 with L/D < 1 mg with 1 pales in series	690V	kW	860
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	75\/	۸	900
	75V 110V	A	800 460
	220V	A A	400
	330V	A	
	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	400 V		
120 max current le in 201 with 2/1 3 mis with 2 poles in series	75V	Α	800
	110V	A	800
	220V	Α	700
	330V	A	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	800
	330V	Α	700
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
·	75V	Α	800
	110V	Α	800
	220V	Α	800

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	330V	Α	750
	460V	Α	700
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	75V	Α	800
	110V	Α	460
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	800
	110V	Α	800
	220V	Α	700
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	800
	110V	A	800
	220V	A	800
	330V	A	650
	460V	A	
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/N = 13ms with 4 poles in series	75V	Α	800
	110V	A	800
	220V	A	800
	330V 460V	A	650 700
Chart time allowable assurant for 40a (IEO/ENCO047.4)	400 V	A	
Short-time allowable current for 10s (IEC/EN60947-1)		Α	5040
Protection fuse	0 (150)		4000
	gG (IEC)	A	1000
	aM (IEC)	A	630
Making capacity (RMS value)		Α	6300
Breaking capacity at voltage			
	440V	Α	6300
	500V	Α	5600
	690V	A	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	Ith	W	90
	AC-3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	lbin	40.6
	max	lbin	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
, S,	max		2x 600 kcmil
	max		

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Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Veight		g	1882
Conductor section			
AWG/kcmil conductor section			
	max		2x 600 kcmil
Operations			
Mechanical life		cycles	5000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1		_	
	rated load	cycles	700000
A	mechanical load	cycles	5000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz		\ /	220
	min	V	220
AC operating voltage	max	V	240
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/116	0.0
	min	%Us	80
drap out	max	%Us	110
drop-out	min	%Us	20
	min max	%Us	60
of 50/60Hz coil powered at 60Hz	IIIax	/003	00
pick-up			
ріск-ар	min	%Us	80
		%Us	110
drop-out	max	/0US	110
αιορ-οαι	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz	IIIdA	,,,,,	
pick-up			
ριοίτ αρ	min	%Us	80
	max	%Us	110
drop-out	max	,000	
Grop out	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C	max		
of 50/60Hz coil powered at 50Hz			
3. 00,00. II 00. politico di di 001 II	in-rush	VA	400
	holding	VA	18
of 50/60Hz coil powered at 60Hz	110.0.119		- -
3. 30, 30. 12 30.1 portorou at 301 12	in-rush	VA	400
	holding	VA	18
	110141119	٠, ١	18

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ENERGY AND AUTOMATION

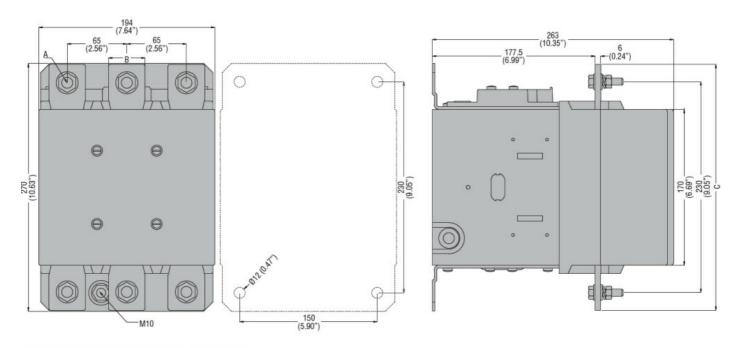
110...125VAC

DC coil operating					
DC rated control voltag	e				
			min	V	220
			max	V	240
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	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us co	ntrol				
-	in AC				
		Closing NO			
		-	min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
	in DC				
		Closing NO			
		· ·	min	ms	110
			max	ms	180
		Opening NO			
		, ,	min	ms	60
			max	ms	100
UL technical data					
General USE					
	Contactor				
			AC current	Α	800
Short-circuit protection	fuse, 600V				
•	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	1500
			Fuse class		L
Ambient conditions					
Temperature					
-	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
	,		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectio	n				
Pollution degree					3
Dimensions					



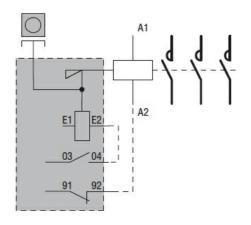
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CONTACTOR TYPE	A	В	С
B500	M10	35 (1.38")	265 (10.43")
B630	M12	40 (1.57")	270 (10.63")

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

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching