



Product designation Product type designation			Power contactor B630
Contact characteristics			B030
Number of poles		Nr.	4
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	800
Operational current le			
	AC-1 (≤40°C)	А	800
	AC-1 (≤55°C)	А	640
	AC-1 (≤70°C)	А	540
	AC-3 (≤440V ≤55°C)	А	630
	AC-4 (400V)	A	260
Rated operational power AC-1 (T≤40°C)			
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	A	800
	110V	A	460
	220V	A	
	330V	A	
IEC may surrant to in DC1 with $L/D < 1$ may with 2 pales in series	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	75V	А	800
	75V 110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	+007	~~~~	
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	700
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		-	
- ···· F-····	75V	А	800
	110V	A	800
	220V	A	800
	330V	А	750
	460V	А	700



IFC may autrent to in DC2 DC5 with L/D < 15mg with 1 palas in agrice			
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series	75V	А	800
	110V	A	460
	220V	A	400
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	1001	7.	
	75V	А	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	100 V		
	75V	А	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		,,	
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	650
	460V	A	700
Short-time allowable current for 10s (IEC/EN60947-1)		A	5040
Protection fuse			
	gG (IEC)	А	1000
	aM (IEC)	A	630
Making capacity (RMS value)	( - )	А	6300
Breaking capacity at voltage			
	440V	А	6300
	500V	А	5600
	690V	А	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	lth	W	90
	AC3	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			
	max		2x 600 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B63040048** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 48VAC/DC

Operating position

normal		Vertical plan
allowable		±30°
		Screw
	g	2192
max		2x 600 kcmil
	cycles	5000000
	cycles	700000
rated load	cycles	700000
mechanical load	cycles	5000000
		yes
		yes
	V	48
min		80
max	%Us	110
min		20
max	%Us	60
min		80
max	%Us	110
min		20
max	%Us	60
		80
max	%Us	110
	0/11	<u></u>
		20
max	%US	60
• •	1/4	400
		400
noiaing	VA	18
·	1/4	400
in-rush	VA	400
	VA	18
holding		10
noiding	W	18
noiding		18 48
	max rated load mechanical load min max min max min max min max	g max cycles cyc

pick-up

ENERGY AND AUTOMATION

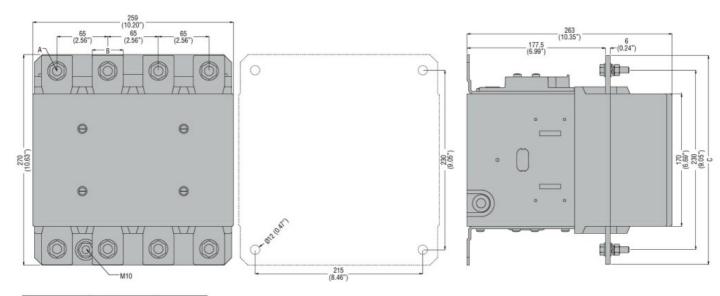
**11B63040048** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 48VAC/DC

			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times				-	
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
		<u> </u>	min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
	in DC				
		Closing NO			
		0 -	min	ms	110
			max	ms	180
		Opening NO			
		515 5	min	ms	60
			max	ms	100
UL technical data				-	
General USE					
	Contactor				
			AC current	А	800
Short-circuit protection	n fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	A	1500
			Fuse class	<i>/</i> \	L
Ambient conditions					_
Temperature					
	Operating temperature				
	operating temperature		min	°C	-50
			max	°C	70
	Storage temperature		Παλ	0	
	Storage temperature		min	°C	-60
				°C	-60 80
Max altitude			max		
	on			m	3000
Resistance & Protection					2
Pollution degree					3
Dimensions [mm (in)]					



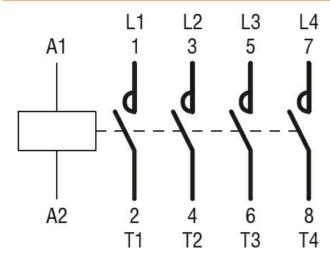
11B63040048 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 48VAC/DC





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		
	CCC	
	cULus	
	EAC	
ETIM classificatio	n	
ETIM 8.0		EC000066 - Power contactor, AC switching





Product designation			Power contactor
Product type designation Contact characteristics			B630
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			0
opolational moquonoy	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	800
Operational current le			
'	AC-1 (≤40°C)	А	800
	AC-1 (≤55°C)	А	640
	AC-1 (≤70°C)	А	540
	AC-3 (≤440V ≤55°C)	А	630
	AC-4 (400V)	А	260
Rated operational power AC-1 (T≤40°C)			
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	800
	110V	А	460
	220V	А	
	330V	А	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	А	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	700
IFC may autrent to in DC1 with 1/D < 1ms with 4 males in a min	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	761/	Δ.	000
	75V	A	800
	110V	A	800
	220V 330V	A	800 750
	460V	A	750 700
	40UV	A	100



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	А	800
	110V	A	460
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series	4001		
	75V	А	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series	4001	~	
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	650
	460V	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	400 V	~	
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	650
	460V	A	700
Short-time allowable current for 10s (IEC/EN60947-1)	4001	A	5040
Protection fuse		~	3040
	gG (IEC)	А	1000
	aM (IEC)	A	630
Making capacity (RMS value)		A	6300
Breaking capacity at voltage			
	440V	А	6300
	500V	A	5600
	690V	A	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
· · · · · · · · · · · · · · · · · · ·	Ith	W	90
	AC3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	Ibin	40.6
	max	Ibin	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2x 600 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B63040060** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 60VAC/DC

Operating position

Operating position			
	normal		Vertical plan ±30°
Fixing	allowable		Screw
Neight		0	2192
Conductor section		g	2192
AWG/kcmil conductor section			
	max		2x 600 kcmil
Dperations	Шах		
Mechanical life		cycles	5000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
5	rated load	cycles	700000
	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		V	60
AC operating voltage			
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		0/11	
	min	%Us	80
drop out	max	%Us	110
drop-out	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz	IIIdA	/003	00
pick-up			
μικι-αρ	min	%Us	80
	max	%Us	110
drop-out	Шах	,	
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C	-		
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	400
	holding	VA	18
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	18
DC coil operating			
DC rated control voltage		V	60
DC operating voltage			

ENERGY AND AUTOMATION

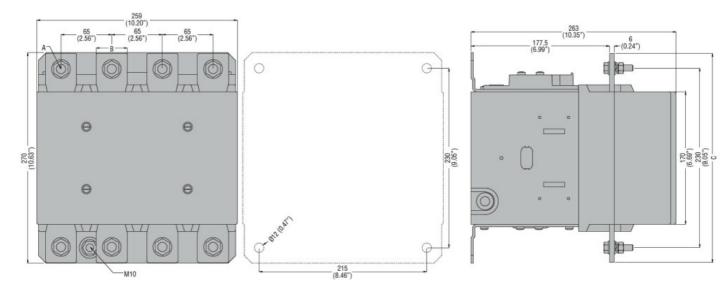
**11B63040060** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 60VAC/DC

			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times				-	
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
		<u> </u>	min	ms	110
			max	ms	180
		Opening NO			
			min	ms	60
			max	ms	100
	in DC				
		Closing NO			
		0 -	min	ms	110
			max	ms	180
		Opening NO			
		515 5	min	ms	60
			max	ms	100
UL technical data				-	
General USE					
	Contactor				
			AC current	А	800
Short-circuit protection	n fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	A	1500
			Fuse class	<i>/</i> \	L
Ambient conditions					_
Temperature					
	Operating temperature				
	operating temperature		min	°C	-50
			max	°C	70
	Storage temperature		Παλ	0	
	Storage temperature		min	°C	-60
				°C	-60 80
Max altitude			max		
	on			m	3000
Resistance & Protection					2
Pollution degree					3
Dimensions [mm (in)]					



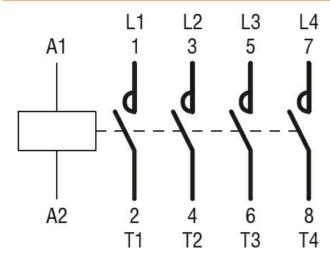
11B63040060 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 60VAC/DC





CONTACTOR TYPE	A	В	C
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		
	CCC	
	cULus	
	EAC	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching





Product designation			Power contactor B630
Product type designation Contact characteristics			D030
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		it v	0
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	800
Operational current le			
	AC-1 (≤40°C)	А	800
	AC-1 (≤55°C)	А	640
	AC-1 (≤70°C)	А	540
	AC-3 (≤440V ≤55°C)	А	630
	AC-4 (400V)	А	260
Rated operational power AC-1 (T≤40°C)			
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	800
	110V	А	460
	220V	А	
	330V	А	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	751/	•	000
	75V	A	800
	110V 220V	A	800
	330V	A	800 700
	460V	A A	
IEC max current le in DC1 with L/R $\leq$ 1ms with 4 poles in series	400 V	~	
$\Box \cup \max \bigcup \cup \bigcup \cup \bigcup \cup \bigcup \cup \bigcup \bigcup \bigcup \bigcup \bigcup \bigcup \bigcup \bigcup \bigcup \bigcup$	75V	۸	800
	75V 110V	A A	800
	220V	A	800
	2200	~	000
	330V	А	750



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
The max current le in Des-Des with L/R = 15ms with 1 poles in series	75V	А	800
	110V	A	460
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	100 V	7.	
	75V	А	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	А	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			
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	650
	460V	A	700
Short-time allowable current for 10s (IEC/EN60947-1)		A	5040
Protection fuse			
	gG (IEC)	А	1000
	aM (IEC)	A	630
Making capacity (RMS value)	( - )	А	6300
Breaking capacity at voltage			
5 1 5 5	440V	А	6300
	500V	А	5600
	690V	А	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	lth	W	90
	AC3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	lbin	40.6
	max	Ibin	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2x 600 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B630400110** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 110...125VAC/DC

Operating position

Operating position		normal allowable		Vertical plan ±30°
Fixing				Screw
Weight			g	2188
Conductor section				
	AWG/kcmil conductor section			
		max		2x 600 kcmil
Operations				500000
Mechanical life Electrical life			cycles	500000
Safety related data			cycles	700000
	according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	5000000
Mirror contats according	a to IEC/EN 609474-4-1	meenameariea	0y0l00	yes
EMC compatibility	,			yes
AC coil operating				·
Rated AC voltage at 50/	60Hz, 60Hz			
-		min	V	110
		max	V	125
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11	
		min	%Us	20
	of 50/60Hz coil powered at 60Hz	max	%Us	60
	pick-up			
	ριακ-αρ	min	%Us	80
		max	%Us	110
	drop-out	Пах	/000	110
		min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz		-	
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consum				
	of 50/60Hz coil powered at 50Hz			100
		in-rush	VA	400
		holding	VA	18
	of 50/60Hz coil powered at 60Hz	· •	174	400
		in-rush	VA	400
Dissignation of both the set		holding	VA	18
Dissipation at holding ≤2	20°G 50HZ		W	18

DC rated control voltage



11B630400110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL,

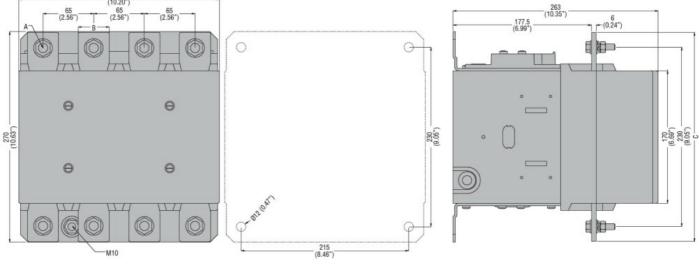
110...125VAC/DC

			min	V	110
			min max	V	125
DC operating voltage				•	120
1 0 0	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
Average coil consump	tion <20°C		max	%Us	60
Average con consump			in-rush	W	400
			holding	Ŵ	18
Max cycles frequency					-
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us co					
	in AC	<b>.</b>			
		Closing NO			110
			min	ms ms	110 180
		Opening NO	max	ms	100
		Opening NO	min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			00
			min	ms	60 100
UL technical data			max	ms	100
General USE					
	Contactor				
			AC current	А	800
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	1500
Ambient conditions			Fuse class		L
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectio	on				2
Pollution degree Dimensions [mm (in)]					3



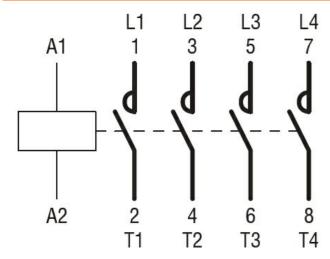
**11B630400110** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 110...125VAC/DC

# INN 110...125VAC/E



CONTACTOR TYPE	A	В	C
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		
	CCC	
	cULus	
	EAC	
ETIM classification	n	
ETIM 8.0		EC000066 - Power contactor, AC switching





Product designation Product type designation			Power contactor B630
Contact characteristics			0000
Number of poles		Nr.	4
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	800
Operational current le			
	AC-1 (≤40°C)	А	800
	AC-1 (≤55°C)	А	640
	AC-1 (≤70°C)	А	540
	AC-3 (≤440V ≤55°C)	А	630
	AC-4 (400V)	А	260
Rated operational power AC-1 (T≤40°C)			
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	800
	110V	А	460
	220V	А	
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	Α	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	700
IFC may autrent to in DC1 with 1/D < 1ma with 1 males in a min	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	7-11		000
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	750 700
	460V	A	700



IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	75V	А	800
	110V	А	460
	220V	А	
	330V	А	
	460V	А	
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	75V	А	800
	110V	А	800
	220V	А	700
	330V	А	
	460V	Α	
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	650
	460V	А	
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	650
	460V	А	700
hort-time allowable current for 10s (IEC/EN60947-1)		А	5040
rotection fuse			
	gG (IEC)	А	1000
	aM (IEC)	А	630
Iaking capacity (RMS value)		А	6300
reaking capacity at voltage			
	440V	А	6300
	500V	А	5600
	690V	А	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	lth	W	90
	AC3	W	56
ightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	Ibin	40.6
	max	Ibin	40.6
ightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
		Ihin	0.74
	max	lbin	
flax number of wires simultaneously connectable	max	Nr.	2
•	max		2
•	max		2
Conductor section	max		2 2x 600 kcmil
Max number of wires simultaneously connectable Conductor section AWG/Kcmil Power terminal protection according to IEC/EN 60529			



**11B630400220** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 220...240VAC/DC

Operating position

Operating position	normal allowable		Vertical plan ±30°
Fixing	allowable		Screw
Weight		g	2194
Conductor section		0	
AWG/kcmil conductor section			
	max		2x 600 kcmil
Dperations			
Mechanical life		cycles	5000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	700000
	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			
	min	V	220
	max	V	240
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11-	00
	min	%Us %Us	80
drop out	max	%08	110
drop-out	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz	Шах	/003	00
pick-up			
plox up	min	%Us	80
	max	%Us	110
drop-out		/000	110
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	400
	holding	VA	18
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	18

DC rated control voltage



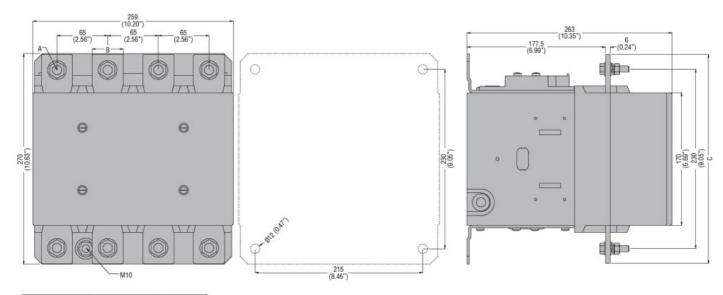
11B630400220 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL,

220...240VAC/DC

			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 consump	ition ≤20°C				100
			in-rush	W	400
			holding	W	18
Max cycles frequency					4000
Mechanical operation				cycles/h	1200
Operating times	o n trol				
Average time for Us co					
	in AC	Closing NO			
			min	ms	110
			max	ms	180
		Opening NO	Παλ	1113	100
		opening No	min	ms	60
			max	ms	100
	in DC			ine	100
		Closing NO			
		g	min	ms	110
			max	ms	180
		Opening NO			
		1 0	min	ms	60
			max	ms	100
UL technical data					
General USE					
	Contactor				
			AC current	А	800
Short-circuit protection	1 fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	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 & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					

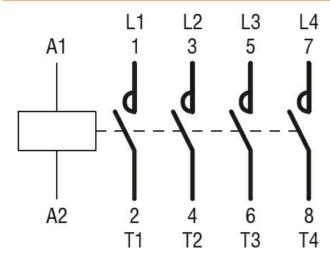


11B630400220 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 220...240VAC/DC



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		
	CCC	
	cULus	
	EAC	
ETIM classificatio	n	
ETIM 8.0		EC000066 - Power contactor, AC switching





Product designation Product type designation			Power contactor B630
Contact characteristics			0000
Number of poles		Nr.	4
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	800
Operational current le			
	AC-1 (≤40°C)	А	800
	AC-1 (≤55°C)	А	640
	AC-1 (≤70°C)	А	540
	AC-3 (≤440V ≤55°C)	А	630
	AC-4 (400V)	А	260
Rated operational power AC-1 (T≤40°C)			
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	А	800
	110V	А	460
	220V	А	
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	Α	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	700
IFC may autrent to in DC1 with 1/D < 1ma with 1 males in a min	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	7-11		000
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	750 700
	460V	A	700



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
The max current le in Des-Des with L/1( 3 Toms with 1 poles in series	75V	А	800
	110V	A	460
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	100 V	7.	
	75V	А	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	А	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	1001		
	75V	А	800
	110V	A	800
	220V	A	800
	330V	A	650
	460V	A	700
Short-time allowable current for 10s (IEC/EN60947-1)		A	5040
Protection fuse			
	gG (IEC)	А	1000
	aM (IEC)	A	630
Making capacity (RMS value)		Α	6300
Breaking capacity at voltage			
	440V	А	6300
	500V	А	5600
	690V	А	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	Ith	W	90
	AC3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	lbin	40.6
	max	Ibin	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2x 600 kcmil
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			



**11B630400380** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 380...415VAC/DC

Operating position

	normal allowable		Vertical plan ±30°
Fixing			Screw
Weight		g	2165
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
	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		.,	
	min	V	380
	max	V	415
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11-	00
	min	%Us %Us	80
drop out	max	%08	110
drop-out	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz	Шах	/003	00
pick-up			
plot up	min	%Us	80
	max	%Us	110
drop-out	max	/000	110
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up			
r <b>- - -</b>	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	400
	holding	VA	18
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	18

DC rated control voltage



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL,

380...415VAC/DC

			min	V	380
			max	V	415
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
	tion <200°C		max	%Us	60
Average coil consump	0001 ≤20 C		in-rush	W	400
			holding	W	18
Max cycles frequency			Tolding	vv	10
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us co	ontrol				
-	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	Παλ	1113	100
		oponing No	min	ms	60
			max	ms	100
UL technical data					
General USE					
	Contactor				
			AC current	Α	800
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	1500
Ambient conditione			Fuse class		L
Ambient conditions Temperature					
remperature	Operating temperature				
	operating temperature		min	°C	-50
			max	°C	70
	Storage temperature		max	<u> </u>	
	<u>J</u>		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					



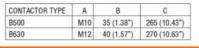
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 380...415VAC/DC

## 11B630400380

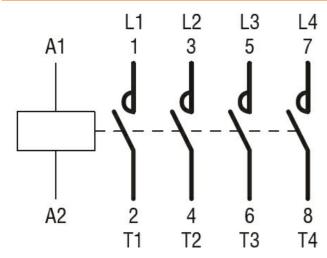
6 (0.24")

170 6.69") 230 230 (9.05")

259 (10.20") 65 (2.56") 263 (10.35") 65 (2.56") 65 177.5 G 0 Θ θ 270 230 (9.05") θ θ 6-20 A Q 215 (8.46") -M10



#### 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		
	CCC	
	cULus	
	EAC	
ETIM classification	n	
ETIM 8.0		EC000066 - Power contactor, AC switching





Product designation			Power contactor
Product type designation			B630
Contact characteristics			
Number of poles		Nr.	4
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		A	800
Operational current le			
	AC-1 (≤40°C)	A	800
	AC-1 (≤55°C)	A	640
	AC-1 (≤70°C)	A	540
	AC-3 (≤440V ≤55°C)	А	630
	AC-4 (400V)	A	260
Rated operational power AC-1 (T≤40°C)			
	230V	kW	288
	400V	kW	500
	500V	kW	655
	690V	kW	860
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	75V	A	800
	110V	A	460
	220V	A	
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	75V	A	800
	110V	A	800
	220V	A	700
	330V	A	
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	700
	460V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		-	
	75V	A	800
	110V	A	800
	220V	A	800
	330V	A	750
	460V	A	700



IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series	75V	А	800
	110V	A	460
	220V	A	400
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	75V	А	800
	110V	А	800
	220V	А	700
	330V	А	
	460V	А	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	75V	А	800
	110V	А	800
	220V	А	800
	330V	А	650
	460V	А	
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	75V	А	800
	110V	А	800
	220V	Α	800
	330V	Α	650
	460V	Α	700
Short-time allowable current for 10s (IEC/EN60947-1)		Α	5040
Protection fuse			
	gG (IEC)	А	1000
	aM (IEC)	Α	630
Making capacity (RMS value)		A	6300
Breaking capacity at voltage			
	440V	A	6300
	500V	A	5600
	690V	A	5000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
	lth	W	90
<b>T</b>	AC3	W	56
Tightening torque for terminals		N lun-	FF
	min	Nm Nm	55 55
	max	Nm Ihin	55
	min	lbin Ibin	40.6
Tightening torque for coil terminal	max	Ibin	40.6
	min	Nm	1
		Nm	1
	max min	Ibin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable	Παλ	Nr.	2
Conductor section		1 11.	L
AWG/Kcmil			
	max		2x 600 kcmil
Power terminal protection according to IEC/EN 60529	Παλ		IP00
Mechanical features			



**11B630400440** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 440...480VAC/DC

Operating position

Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw
Weight		g	2203
Conductor section			
AWG/kcmil conductor section			
	max		2x 600 kcmil
Operations			
Mechanical life		cycles	500000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	700000
	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	min	V	440
	min	V V	440 480
AC operating voltage	max	V	460
of 50/60Hz coil powered at 50Hz			
pick-up			
pick-up	min	%Us	80
	max	%Us	110
drop-out	Пах	/000	110
	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			
	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	400
	holding	VA	18
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	18

DC rated control voltage



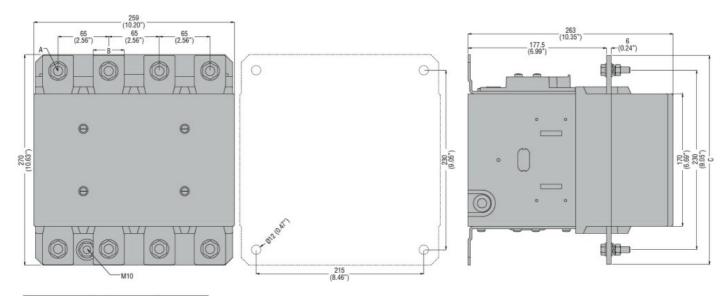
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 440...480VAC/DC

			min	V	440
			max	V	480
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out			o ( 1 1	
			min	%Us	20
A	1		max	%Us	60
Average coil consump	$100 \leq 20^{\circ} C$		in work	14/	400
			in-rush	W	400
Max avalas fraguenav			holding	W	18
Max cycles frequency				cycles/h	1200
Mechanical operation				cycles/n	1200
Operating times	ontrol				
Average time for Us co	in AC				
	III AC	Closing NO			
			min	ms	110
			max	ms	180
		Opening NO	Παλ	1113	100
		opening NO	min	ms	60
			max	ms	100
	in DC				
		Closing NO			
			min	ms	110
			max	ms	180
		Opening NO			
		1 0	min	ms	60
			max	ms	100
JL technical data					
General USE					
	Contactor				
			AC current	А	800
Short-circuit protection	n fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	А	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 & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					



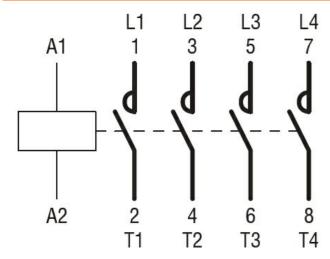
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 440...480VAC/DC

## 11B630400440



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		
	CCC	
	cULus	
	EAC	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching