



Contact characteristics Nr. 4 Number of poles Nr. 4 Rated insulation voltage UI IEC/EN V 1000 Rated insulation voltage UIImp kV 8 Operational frequency min Hz 25 max Hz 400 142 400 IEC Conventional frequency min Hz 25 Operational current le AC-1 (\$40°C) A 800 Operational current le AC-1 (\$40°C) A 600 AC-3 (\$440V \$55°C) A 640 AC-4 (400V) A 260 Rated operational power AC-1 (T≤40°C) 230V kW 288 400V kW 500 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 800 110V A 480 1EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 220V A - 1EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 230V A <t< th=""><th>Product designation</th><th></th><th></th><th>Power contactor</th></t<>	Product designation			Power contactor
Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 1000 Rated insulation voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 1800 IEC Conventional free air thermal current Ith A 800 Operational current Ie AC-1 (≤40°C) A 800 AC-1 (≤55°C) A 640 AC-1 (≤55°C) A 630 AC-3 (≤40V) A 260 800 AC-3 (≤40V) A 260 Rated operational power AC-1 (Ts40°C) 230V kW 288 400V kW 500 690V kW 860 110V A 860 110V A 660 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 800 220V A - 1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 220V A - 1IEC max current le in DC1 with L/R ≤ 1ms with 3 pole	Product type designation			B630
Rated insulation voltage Ui IEC/ENV1000Rated inpulse withstand voltage UimpkV8Operational frequencyminHz25maxHz400100IEC Conventional frequencyA800Operational current leAC-1 (≤40°C)A800AC-1 (≤55°C)A640AC-1 (≤55°C)A640AC-1 (≤70°C)A540AC-3 (≤440V ≤55°C)A630AC-3 (≤440V ≤55°C)A630AC-3 (≤440V ≤55°C)A630AC-4 (400V)A260AC-3 (≤440V ≤55°C)A630Rated operational power AC-1 (Ts40°C)230VKW288400VkW550EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series75VA800110VA460220VA-330VA-460VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series75VA800110VA800210VA700330VA-460VAIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series75VA800220VA700330VA-460VA-IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series75VA800230VA700460VA160VA330VA700330VA700460VA- <t< td=""><td></td><td></td><td>Nr</td><td>Δ</td></t<>			Nr	Δ
Rated impulse withstand voltage UimpkV8Operational frequencyminHz25maxHz400IEC Conventional current leA800Operational current leAC-1 (s40°C)A800AC-1 (s45°C)A640AC-1 (s55°C)A640AC-3 (s440V) s55°C)A630AC-4 (400V)A260Rated operational power AC-1 (T≤40°C)230VkW288400VKW500500VkW655690VkW860500VkW860IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series75VA800110VA460220VA-330VA-460VA-110VA8001EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series75VA800110VA800220VA-460VA-110VA800220VA-460VA-110VA800220VA700330VA-460VA-110VA800220VA800330VA-460VA-110VA800220VA800330VA-460VA-110VA800220VA800330VA-460VA-110VA800330VA-460VA-1				
Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 800 Operational current le AC-1 (s40°C) A 800 AC-1 (s55°C) A 640 AC-1 (s70°C) A 540 AC-3 (s4400 v s55°C) A 630 AC-3 (s4400 v s55°C) A 630 Rated operational power AC-1 (T≤40°C) 230V kW 288 4000 kW 500 Story kW 500 500V kW 860 690V kW 860 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 800 110V A 460 1EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 110V A 800 110V A 800 220V A - 460V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 330V A <t< td=""><td></td><td></td><td></td><td></td></t<>				
min Hz 25 Hz 400 IEC conventional free air thermal current lth A 800 Operational current le AC-1 (540°C) A 800 AC-1 (555°C) A 640 AC-1 (55°C) A 640 AC-1 (570°C) A 540 AC-3 (5440V 555°C) A 630 AC-3 (5440V 555°C) A 630 AC-4 (400V) A 260 Rated operational power AC-1 (T≤40°C) 230V kW 288 4000V KW 260 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 800 110V A 460 220V A 330V A 330V A IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 110V A 800 110V A 800 220V A - - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 220V <td></td> <td></td> <td></td> <td>0</td>				0
max Hz 400 IEC Conventional free air thermal current lth A 800 Operational current le AC-1 (s56°C) A 640 AC-1 (s55°C) A 640 AC-3 (st40V 55°C) A 630 AC-3 (st40V 55°C) A 630 AC-4 (400V) A 260 Rated operational power AC-1 (T≤40°C) 230V kW 288 400V kW 500 S00 S00V kW 565 690V kW 655 690V kW 655 690V kW 660 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 800 110V A 460 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 110V A 800 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 110V A 800 330V A<	opolational moquency	min	Hz	25
IEC Conventional free air thermal current IthA800Operational current leAC-1 (≤40°C)A800AC-1 (≤55°C)A640AC-1 (≤55°C)A640AC-3 (≤440V ≤55°C)A630AC-4 (400V)A260Rated operational power AC-1 (T≤40°C)230VkW288400VkW500S00VkW500500VkW860690VkW860IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series75VA800110VA460220VA-330VA-460VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series75VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series75VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series75VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series75VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series75VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series75VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series75VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series75VA800330VA <t< td=""><td></td><td></td><td></td><td></td></t<>				
Operational current le AC-1 (≤40°C) A 800 AC-1 (≤55°C) A 640 AC-1 (≤55°C) A 630 AC-3 (≤440V ≤55°C) A 630 AC-4 (400V) A 260 Rated operational power AC-1 (T≤40°C) 230V kW 288 400V kW 500 Solv kW 500 500V kW 860 IEC max current le in DC1 with L/R ≤ 1ms 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 ≤ 1ms with 2 poles in series 75V A 800 110V A 800 110V A 800 220V A - 460V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800	IEC Conventional free air thermal current Ith			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	•	AC-1 (≤40°C)	А	800
AC-1 (≤70°C) A 540 AC-3 (≤440V >55°C) A 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 690V kW 860 IEC max current le in DC1 with L/R ≤ 1ms 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 ≤ 1ms with 2 poles in series 75V A 800 110V A 800 220V A - 460V A - 460V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800 330V <		. ,	А	640
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 ≤ 1ms 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 ≤ 1ms with 2 poles in series 75V A 800 110V A 800 110V A 800 220V A - - 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 110V A 800 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 110V A 800 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800 110V		. ,	А	540
Rated operational power AC-1 (T≤40°C)230VkW288400VkW500500VkW655690VkW860IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series75VA220VA-330VA-460VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series75VA800110VA800220VA-460VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series75VAIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series75VA800110VA800220VA-460VAIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series75VA800210VA800220VA800220VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series75VA800220VA800330VA-IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series75VA800220VA800330VA-220VA800330VA750		AC-3 (≤440V ≤55°C)	А	630
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-4 (400V)	А	260
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Rated operational power AC-1 (T≤40°C)			
500V kW 655 690V kW 860 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 800 110V A 460 220V A - 330V A - 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 110V A 800 110V A 800 120V A - 300V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 800 110V A 800 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 800 110V A 800 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800 110V A 800 330V A - IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800 110V A 800 </td <td></td> <td>230V</td> <td>kW</td> <td>288</td>		230V	kW	288
$\frac{690 \vee kW}{100} = \frac{690 \vee kW}{100} = \frac{800}{100}$ $\frac{160 \times kW}{100} = \frac{100}{100} =$		400V	kW	500
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series75VA800 110VA460 220VA 		500V	kW	655
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	860
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			А	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			А	460
$\begin{tabular}{ c c c c c } \hline 460V & A & \\ \hline \end{tabular} ta$			А	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $75V$ A 800 $110V$ A 800 $220V$ A 700 $330V$ A $460V$ AIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $75V$ A 800 $220V$ A 800 $230V$ A 700 $460V$ AIEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $75V$ A 800 $110V$ A 800 $110V$ A 800 $220V$ A 800 $220V$ A 800 $220V$ A 800 $220V$ A 800 $330V$ A 750 750 750				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		460V	A	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{tabular}{ c c c c } \hline 460V & A & \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline 75V & A & 800 \\ 110V & A & 800 \\ 220V & A & 800 \\ 330V & A & 700 \\ 460V & A & \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline 75V & A & 800 \\ 110V & A & 800 \\ 220V & A & 800 \\ 110V & A & 800 \\ 220V & A & 800 \\ 330V & A & 750 \\ \hline \end{tabular}$				
$\begin{tabular}{ c c c c c } \hline IEC max current le in DC1 with L/R \le 1ms with 3 poles in series & 75V & A & 800 \\ 110V & A & 800 \\ 220V & A & 800 \\ 330V & A & 700 \\ 460V & A & \\ \hline IEC max current le in DC1 with L/R \le 1ms with 4 poles in series & 75V & A & 800 \\ 110V & A & 800 \\ 220V & A & 800 \\ 330V & A & 750 \\ \hline \end{tabular}$				
$\begin{array}{cccccc} 75 & A & 800 \\ 110 & A & 800 \\ 220 & A & 800 \\ 220 & A & 800 \\ 330 & A & 700 \\ 460 & A & \end{array}$ IEC max current le in DC1 with L/R < 1ms with 4 poles in series $\begin{array}{ccccccccc} 75 & A & 800 \\ 110 & A & 800 \\ 220 & A & 800 \\ 330 & A & 750 \end{array}$	$\frac{1}{100}$	460 V	A	
$ \begin{array}{c cccc} 110V & A & 800 \\ 220V & A & 800 \\ 330V & A & 700 \\ 460V & A & \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ \mbox{75V} & A & 800 \\ 110V & A & 800 \\ 220V & A & 800 \\ 330V & A & 750 \\ \hline \end{array} $	IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series	75\/	۸	000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
330V A 700 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800 110V A 800 220V A 800 330V A 750 750				
460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800 110V A 800 220V A 800 330V A 750 A 750				
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 800 110V A 800 220V A 800 330V A 750 A 750				
75V A 800 110V A 800 220V A 800 330V A 750	IFC max current le in DC1 with L/R < 1ms with 4 notes in series	4004	~	
110V A 800 220V A 800 330V A 750		75\/	Δ	800
220V A 800 330V A 750				
330V A 750				
		460V	A	700



IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	75V	А	800
	110V	A	460
	220V	A	
	330V	А	
	460V	А	
IEC 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	A	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series		-	
	75V	A	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	75\/	•	000
	75V 110V	A	800
	220V	A A	800 800
	220V 330V	A	650
	460V	A	700
Short-time allowable current for 10s (IEC/EN60947-1)	400 V	A	5040
Protection fuse		7.	00+0
	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)			
	lth	W	90
	AC-3	W	56
Tightening torque for terminals			
	min	Nm	55
	max	Nm	55
	min	Ibin	40.6
	max	lbin	40.6
Tightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin Ibin	0.74 0.74
Max number of wires simultaneously connectable	max	Nr.	2
Conductor section		INI.	۷
AWG/Kcmil			
	max		2x 600 kcmil
Power terminal protection according to IEC/EN 60529	Παλ		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
	allowable		±30°
Fixing			Screw
Weight		g	2192
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			60
Rated AC voltage at 50/60Hz		V	60
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11-	00
	min max	%Us %Us	80 110
drop-out		7005	110
diop-out	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz		/000	00
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			100
	in-rush	VA	400
	holding	VA	18
Dissipation at holding ≤20°C 50Hz		W	18
DC coil operating DC rated control voltage		V	22
		11	60

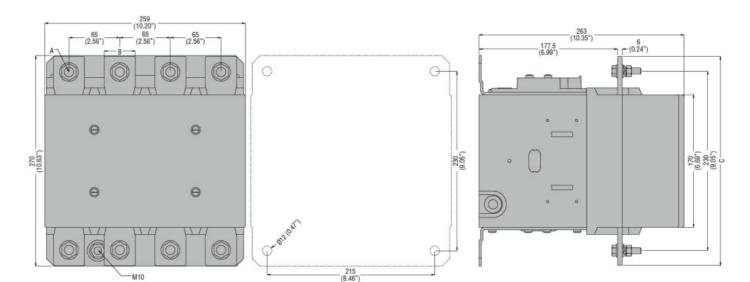
ENERGY AND AUTOMATION

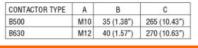
11B63040060 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 60VAC/DC

			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			
			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			
			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	А	1500
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°Č	70
	Storage temperature			-	
			min	°C	-60
			max	°Č	80
Max altitude				 m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					-

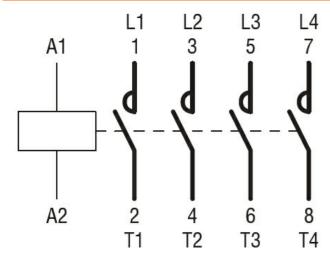


11B63040060 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 800A, AC/DC COIL, 60VAC/DC





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 classificati	on	
ETIM 8.0		EC000066 - Power contactor, AC switching