



Product designation			Power contactor
Product type designation Contact characteristics			B500
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated insulation voltage of IEC/EN Rated impulse withstand voltage Uimp		kV	8
Operational frequency		K V	0
Operational frequency	min	Hz	25
	min	⊓∠ Hz	400
IEC Conventional free air thermal current Ith	max	<u>П</u> 2	700
		A	700
Operational current le	AC 1 (<10°C)	۸	700
	AC-1 (≤40°C)	A	700
	AC-1 (≤55°C)	A	550
	AC-1 (≤70°C)	A	500
	AC-3 (≤440V ≤55°C)	A	520
	AC-4 (400V)	Α	240
Rated operational power AC-1 (T≤40°C)			
	230V	kW	252
	400V	kW	438
	500V	kW	575
	690V	kW	755
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	650
	110V	Α	320
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	650
	110V	Α	550
	220V	Α	450
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			_
·	75V	Α	650
	110V	Α	600
	220V	Α	600
	330V	Α	450
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	650
	110V	A	600
	220V	A	600
	330V	A	600
	460V	A	450
	700 V	$\overline{\Lambda}$	100

11B50040060

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 700A, AC/DC COIL,

IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	550
	110V	Α	320
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	75V	Α	550
	110V	Α	550
	220V	Α	450
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
20 max danion to in 200 200 mar 2/10 Tomo mar o poloo in conce	75V	Α	550
	110V	A	550
	220V	A	550
	330V	A	450
	460V	A	
IFC many assemble in DC2 DC5 with L/D < 45 may with 4 males in across	460 V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	751	Δ.	550
	75V	A	550
	110V	A	550
	220V	Α	550
	330V	Α	450
	460V	A	450
Short-time allowable current for 10s (IEC/EN60947-1)		Α	4050
Protection fuse			
	gG (IEC)	Α	800
	aM (IEC)	Α	500
Making capacity (RMS value)		Α	5000
Breaking capacity at voltage			
	440V	Α	5000
	500V	Α	4500
	690V	Α	4000
Resistance per pole (average value)		mΩ	0.14
Power dissipation per pole (average value)			
7 7 7 7	Ith	W	68.6
	AC-3	W	35
Tightening torque for terminals			
3 · · · · · · · · · · · · · · · · · · ·	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Tightening torque for coil terminal	Παλ	IUIII	20.0
		Niss	1
rightening torque for contentinal	:		1
righterning torque for contentinal	min	Nm	
rightening torque for contentinal	max	Nm	1
rightening torque for conterminar	max min	Nm Ibin	1 0.74
	max	Nm Ibin Ibin	1 0.74 0.74
Max number of wires simultaneously connectable	max min	Nm Ibin	1 0.74
Max number of wires simultaneously connectable Conductor section	max min	Nm Ibin Ibin	1 0.74 0.74
Max number of wires simultaneously connectable	max min	Nm Ibin Ibin	1 0.74 0.74 2
Max number of wires simultaneously connectable Conductor section	max min	Nm Ibin Ibin	1 0.74 0.74



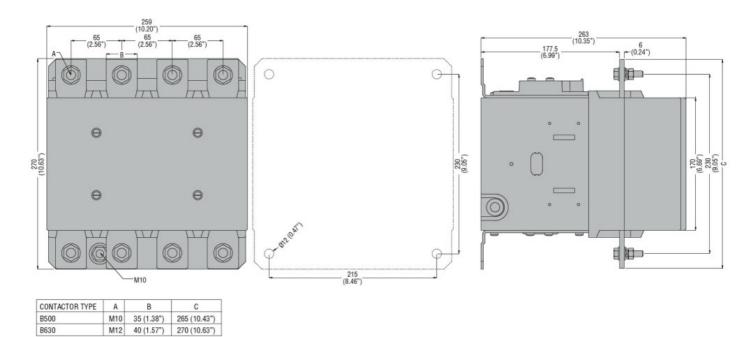
Operating position

		normal allowable		Vertical plan ±30°
Fixing		allowable		Screw
Weight			g	2155
Conductor section			9	2100
Conductor Section	AWG/kcmil conductor section			
	AVVO/Remii conductor section	max		2x 500 kcmil
Operations		тах		ZX 000 ROTIII
Mechanical life			cycles	5000000
Electrical life			cycles	700000
Safety related data			0,0100	10000
	od according to EN/ISO 13489-1			
	a constraint of the constraint	rated load	cycles	700000
		mechanical load	cycles	5000000
Mirror contats according	ng to IEC/EN 609474-4-1	moonamoa road	0,0.00	yes
EMC compatibility	9 10 12 07 2.11 000 17 1 1			yes
AC coil operating				, 55
Rated AC voltage at 50	0/60Hz		V	60
AC operating voltage			•	
to operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	ριοκ αρ	min	%Us	80
		max	%Us	110
	drop-out	max	7000	
	arop out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	max	7000	
	pick-up			
	pion ap	min	%Us	80
		max	%Us	110
	drop-out	max	7000	
	andp dan	min	%Us	20
		max	%Us	60
	of 60Hz coil powered at 60Hz			
	pick-up			
	pront sp	min	%Us	80
		max	%Us	110
	drop-out		,,,,	
		min	%Us	20
		max	%Us	60
AC average coil consu	mption at 20°C			
J	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 s	≤20°C 50Hz		W	18
DC coil operating				. 🗸
DC rated control voltag	ie		V	60
DC operating voltage	,-		•	

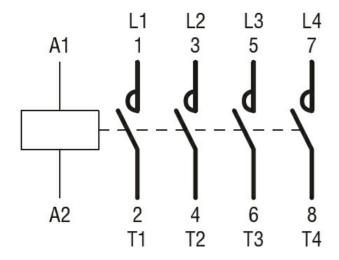




			min	%Us	80
			max	%Us	110
	drop-out				_
			min	%Us	20
			max	%Us	60
Average coil consumpti	ion ≤20°C				
			in-rush	W	400
			holding	W	18
Max cycles frequency					
Mechanical operation				cycles/h	1200
Operating times					
Average time for Us con	ntrol				
	in AC				
		Closing NO			
			min	ms	110
			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	700
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	1200
			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	n				
Pollution degree					3
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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching