



Product designation Product type designation			Power contactor B400
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		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-1 (T≤40°C)			
	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350



EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
·	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	A	280
	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	+00 v		
EO max current to in 200-200 with E/TC 2 Toms with 4 poles in series	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
	460V	Α .	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse	a (1=a)	_	
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage			
	440V	Α	4000
	500V	Α	3400
	690V	Α	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	52
	AC3	W	32
Fightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Fightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable	Шах	Nr.	2
AGA HALLIDOL OL WILOO OLIHUKUHOOUSIY OOLIHOOKUDIG		1 111.	_
Conductor section			
	max		2x 300 kcmil



Operating position

Fixing Weight Conductor section AWG/kcmil conductor section AWG/kcmil conductor section max Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max Dissipation at holding ≤20°C 50Hz DC coil operating Dissipation at holding ≤20°C 50Hz DC coil operating Dissipation at holding ≤20°C 50Hz DC coil operating	al •	Vertical plan ±30°
Veright Conductor section	3	Screw
AWG/kcmil conductor section AWG/kcmil conductor section max Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-ou		
AWG/kcmil conductor section Max	g	<u>g</u> 1110
Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out of 60Hz coil powered at 60Hz pick-up min max drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating		
Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC ooil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	v	2x 300 kcmil
Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max Dissipation at holding ≤20°C 50Hz DC coil operating	^	ZX 300 KCITIII
Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz pick-up min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	cycle	cycles 10000000
Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load mechanica		cycles 700000
Performance level B10d according to EN/ISO 13489-1 rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max	Oyolo	y 0.000 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
rated load mechanical load Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max		
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max	d cycle	cycles 700000
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max drop-out min max drop-out fin-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating Rated AC voltage at 50/60Hz pick-up min max drop-out min max drop-o	,	cycles 10000000
EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	<u>a 0,010</u>	yes
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Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz pick-up min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating		yes
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz pick-up min max drop-out min	V	V 24
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Pick-up min max		
min max		
drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max of 60Hz coil powered at 60Hz pick-up min max of 60Hz coil powered at 60Hz pick-up min max drop-out min max drop-out min max drop-out min max drop-out min max Dissipation at holding ≤20°C 50Hz DC coil operating	n %lls	%Us 80
drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out min max of 60Hz coil powered at 60Hz pick-up min max of 60Hz coil powered at 60Hz pick-up min max drop-out min max drop-out min max drop-out min max Dissipation at holding ≤20°C 50Hz DC coil operating		%Us 110
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pick-up min max drop-out min max of 60Hz coil powered at 60Hz pick-up min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	// / / / / / / / / / / / / / / / / / /
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drop-out min max of 60Hz coil powered at 60Hz pick-up min max drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating		%Us 110
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drop-out min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	n %Us	%Us 80
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	x %Us	%Us 110
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating		
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	n %Us	%Us 20
of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	x %Us	%Us 60
of 50/60Hz coil powered at 50Hz in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating		
in-rush holding of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating		
of 50/60Hz coil powered at 60Hz in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	h VA	VA 300
in-rush holding Dissipation at holding ≤20°C 50Hz DC coil operating	g VA	VA 10
Dissipation at holding ≤20°C 50Hz DC coil operating		
Dissipation at holding ≤20°C 50Hz DC coil operating	h VA	VA 300
DC coil operating	g VA	VA 10
DC coil operating	W	W 10
DC roted control voltage		
DC rated control voltage	V	V 24
DC operating voltage		
pick-up		



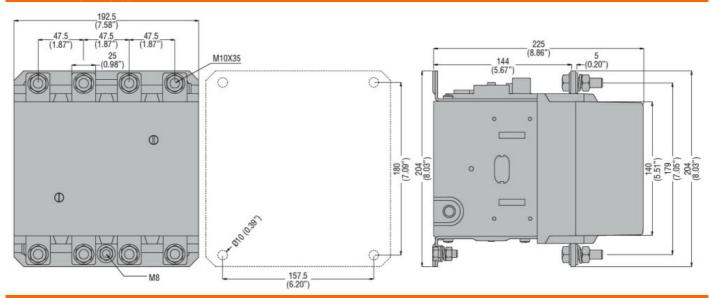
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C			147	000
			in-rush	W	300
May avalog fraguesay			holding	W	10
Max cycles frequency				ovoloo/b	2400
Mechanical operation Operating times				cycles/h	2400
Average time for Us co	ontrol				
Average time for 03 co	in AC				
	III AO	Closing NO			
		Closing IVC	min	ms	80
			max	ms	120
		Opening NO	····ax	0	
			min	ms	30
			max	ms	75
	in DC				-
	-	Closing NO			
		5 -	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC mo	otor			
			at 480V	Α	414
			at 600V	A	382
Yielded mechanical pe					
	for three-phase AC m	notor			
			200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
0			575/600V	HP	400
General USE	Cantasta				
	Contactor		A.O	٨	EEO
Short-circuit protection	fuee 600\/		AC current	A	550
Short-circuit protection	Standard fault				
	Statiualu iauli		Short circuit current	kA	18
			Fuse rating	KA A	800
			Fuse rating Fuse class	A	600 L
Ambient conditions			i use ciass		
Temperature					
· Jinpolatalo	Operating temperatur	re.			
	Sporading temperatur	•	min	°C	-50
			max	°C	70
	Storage temperature		max		· •
	Storago temperature		min	°C	-60
			max	°C	80
Max altitude			max	m	3000
Resistance & Protection	on				

ENERGY AND AUTOMATION

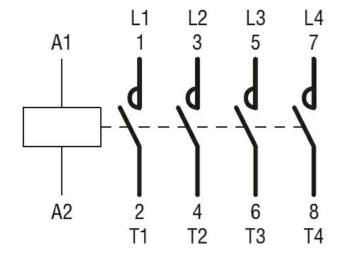
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 24VAC/DC

Pollution degree 3

Dimensions [mm (in)]



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





Product designation Product type designation			Power contactor B400
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		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-1 (T≤40°C)			
	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350

EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
20 max carrent to in 200 200 min 2/10 = 10 mo man o poloc in conce	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
	460V	A	
EC may autront la in DC2 DC5 with 1/D < 15mg with 1 males in a min	4607	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	751	Δ.	050
	75V	A	350
	110V	Α	350
	220V	Α	350
	330V	Α	280
	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse			
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage			
	440V	Α	4000
	500V	Α	3400
	690V	Α	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
,	Ith	W	52
	AC3	W	32
Fightening torque for terminals	,,,,,		
	min	Nm	35
	max	Nm	35 35
	min	Ibin	25.8
		lbin	25.8
Fightening torque for coil terminal	max	ווטוו	20.0
ngmening torque for conteminal		N I.a.:	4
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
·			
Conductor section			
·			
Conductor section	max		2x 300 kcmil



Operating position

Operating position		normal		Vertical plan
		allowable		±30°
Fixing		4		Screw
Weight			g	11
Conductor section				
	AWG/kcmil conductor section			
		max		2x 300 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	Od according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	2/22/1			40
Rated AC voltage at 5	0/60Hz		V	48
AC operating voltage	(-0/0011			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	0.0
		min	%Us %Us	80 110
	drop-out	max	70US	110
	diop-out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	Hax	7003	
	pick-up			
	pront sp	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 consu	•			
	of 50/60Hz coil powered at 50Hz		1/4	200
		in-rush	VA	300
	- (50/00H 'l - (00H	holding	VA	10
	of 50/60Hz coil powered at 60Hz	ام سرحاء	١/٨	200
		in-rush	VA VA	300 10
Dissipation at holding :	<20°C 50H-7	holding	W	10
DC coil operating	=20 G JUI IZ		V V	1 U
DC rated control voltage			V	48
DC operating voltage	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		v	- 1 U
23 operating voltage	pick-up			
	Pion ap			



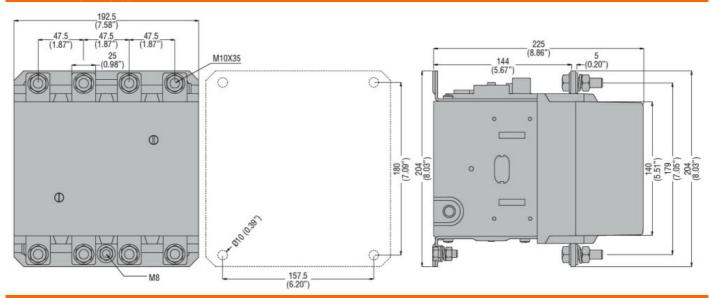
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	300
Maria de Company			holding	W	10
Max cycles frequency					0.400
Mechanical operation				cycles/h	2400
Operating times	undura I				
Average time for Us co					
	in AC	Clasina NO			
		Closing NO	min	mo	80
			min	ms	
		Opening NO	max	ms	120
		Opening NO	min	me	30
			max	ms ms	75
	in DC		max	1112	10
	III DC	Closing NO			
		Cidality INC	min	ms	80
			max	ms	120
		Opening NO	max	1110	120
		Opening NO	min	ms	30
			max	ms	75
UL technical data					. 0
Full-load current (FLA)	for three-phase AC m	otor			
,			at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe	rformance				
'	for three-phase AC r	notor			
	•		200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
			575/600V	HP	400
General USE					
	Contactor				
			AC current	Α	550
Short-circuit protection	fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temperatu	re			
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				

ENERGY AND AUTOMATION

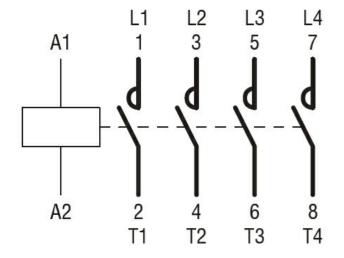
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 48VAC/DC

Pollution degree 3

Dimensions [mm (in)]



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



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 60VAC/DC



Product designation Product type designation			Power contactor B400
Contact characteristics			D-100
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
-1 1 1	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-1 (T≤40°C)			
	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350

EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
'	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	Α	280
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
EO max current le in 200-200 with E/N = 10m3 with 4 poles in series	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
Dist. ('s see all see all see as set for 40 s. (IEO/EN00047.4)	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse	a (1= a)	_	
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage			
	440V	Α	4000
	500V	Α	3400
	690V	Α	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	52
	AC3	W	32
ightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	Ibin	25.8
Fightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
Max number of wires simultaneously connectable	Παλ	Nr.	2
		INI.	
Conductor section			
A1A/C//Comil			
AWG/Kcmil			0000 1
AWG/Kcmil Power terminal protection according to IEC/EN 60529	max		2x 300 kcmil IP00



Operating position

Operating position		normal		Vertical plan
		allowable		±30°
Fixing		anowabic		Screw
Weight			g	11
Conductor section			9	
	AWG/kcmil conductor section			
		max		2x 300 kcmil
Operations				
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	700000
-		mechanical load	cycles	10000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz		V	60
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	00
		min	%Us	80
	drop-out	max	%Us	110
	diop-out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	Пах	7000	
	pick-up			
	p.o op	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	00
		min	%Us	20
AC average asil series	motion at 20°C	max	%Us	60
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz	in-rush	VA	300
		holding	VA VA	10
	of 50/60Hz coil powered at 60Hz	Holding	v / \	10
	5. 55,501 12 5011 powered at 501 12	in-rush	VA	300
		holding	VA	10
Dissipation at holding :	≤20°C 50Hz	110101119	W	10
DC coil operating				
DC rated control voltage	de		V	60
DC operating voltage				
, 53	pick-up			
	1 1			



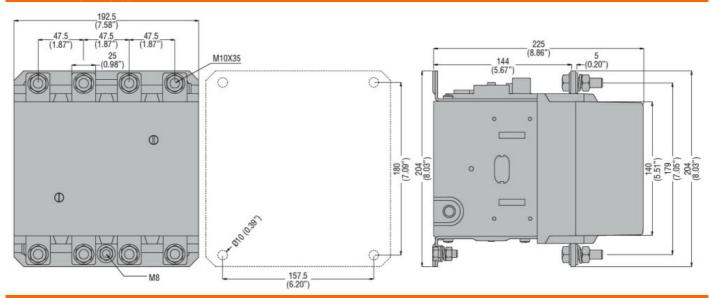
			min	%Us	80
			max	%Us	110
	drop-out				
	·		min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency			<u> </u>		
Mechanical operation				cycles/h	2400
Operating times				•	
Average time for Us co	ntrol				
· ·	in AC				
		Closing NO			
		3	min	ms	80
			max	ms	120
		Opening NO		-	
		1 3.1.5	min	ms	30
			max	ms	75
	in DC				
	· = +	Closing NO			
		g •••	min	ms	80
			max	ms	120
		Opening NO			
		5 p 5 m 19 1 1 5	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC n	notor			
,	•		at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe	rformance				
	for three-phase AC	motor			
	p		200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
			575/600V	HP	400
General USE					
	Contactor				
			AC current	Α	550
Short-circuit protection	fuse, 600V		· · · · · · · · · · · · · · · · · · ·		
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					
•	Operating temperate	ure			
	1 3 3 22 14		min	°C	-50
			max	°C	70
	Storage temperature	e			
	go toporatur	-	min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
resolutarios a i intectio					

ENERGY AND AUTOMATION

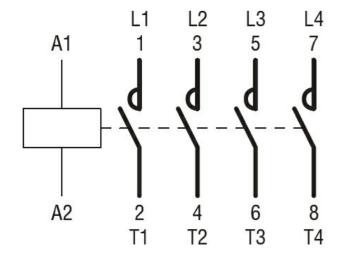
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 60VAC/DC

Pollution degree 3

Dimensions [mm (in)]



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





Product designation Product type designation			Power contactor B400
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		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-1 (T≤40°C)			
	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
			350



11B400400110

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 110...125VAC/DC

EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		
EO max current le in 200-200 with E/N = 15ms with 5 poles in series	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	Α	280
	460V	Α	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse			
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)	()	Α	4200
Breaking capacity at voltage			
oreal mily capacity at remage	440V	Α	4000
	500V	A	3400
	690V	A	
Posiatones par pala (avaraga valua)	090 V		3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)	Tel.	147	
	Ith	W	52
	AC3	W	32
Fightening torque for terminals		_	
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	Ibin	25.8
ightening 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			
Conductor section AWG/Kcmil	mov		2v 200 kamil
AWG/Kcmil Power terminal protection according to IEC/EN 60529	max		2x 300 kcmil IP00



Operating position

Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	1126
Conductor section				
	AWG/kcmil conductor section			
		max		2x 300 kcmil
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	700000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		rated load	cycles	700000
		mechanical load	cycles	10000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	//COLL= COLL=			
Rated AC voltage at 50	/bunz, bunz			440
		min	V	110
A O		max	V	125
AC operating voltage	of 50/001 - and an area of 501 -			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	0/116	00
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz	IIIdx	7003	
	pick-up			
	рюк-ир	min	%Us	80
		max	%Us	110
	drop-out	max	7003	110
	arop 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 consul	mption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	10
Dissipation at holding ≤	20°C 50Hz		W	10
DC coil operating				

DC rated control voltage

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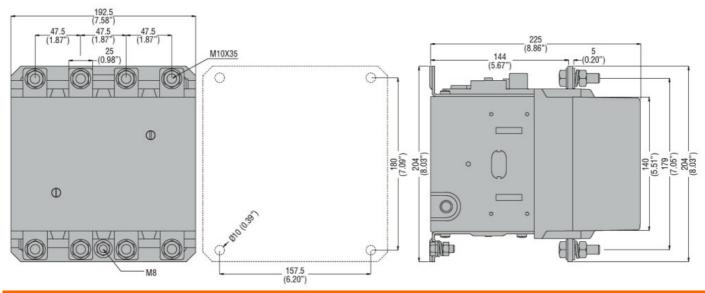


			min max	V V	110 125
DC operating voltage			IIIdx	V	123
Do operating voltage	pick-up				
	provide		min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C			107	000
			in-rush	W W	300 10
Max cycles frequency			holding	VV	10
Mechanical operation				cycles/h	2400
Operating times				0,0100/11	2400
Average time for Us co	ontrol				
3	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC	Closing NO			
		Closing NO	min	ms	80
			max	ms	120
		Opening NO	Παλ	1113	120
		oponing 110	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC	C motor			
			at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe		•			
	for three-phase A	.C motor	000/000/	LID	405
			200/208V 220/230V	HP HP	125 150
			460/480V	HP	350
			575/600V	HP	400
General USE			2.0,000	<u> </u>	
	Contactor				
			AC current	Α	550
Short-circuit protection	fuse, 600V				
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
A male in materials and all the			Fuse class		L
Ambient conditions					
Temperature	Operating tames	ratura			
	Operating temper	alule	min	°C	-50
			max	°C	70
	Storage temperat	:ure	max		. •
	z.c. ago tomporat				

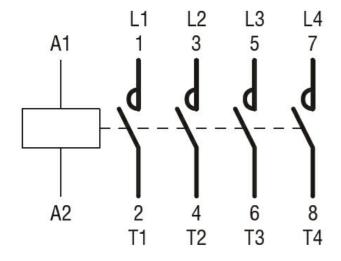


	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions [mm (in)]



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



11B400400110

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 110...125VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching





Product designation Product type designation			Power contactor B400
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		Α	550
Operational current le			
-1	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-1 (T≤40°C)	7.0 1 (1001)	- / (
rated operational power no 1 (1=40 0)	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	090 V	KVV	
TEC max current le in DC i with L/K > mis with i poles in series	75\/	۸	400
	75V	A	400
	110V	A	250
	220V	A	
	330V	A	
150 H : BO4 W 1/B 44 W 0 H :	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			400
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350



EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
•	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	350
	110V	A	350
	220V 330V	A	350
		A	280
FO many automatic in DO2 DO5 with 1/D x 45 m with 4 m 1 m	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			050
	75V	Α	350
	110V	Α	350
	220V	Α	350
	330V	Α	280
	460V	Α	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse			
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage			
	440V	Α	4000
	500V	Α	3400
	690V	Α	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
circi dissipation per pere (average value)	Ith	W	52
	AC3	W	32
Fightening torque for terminals	7,00	V V	52
rightering torque for terminals	min	Nim	25
	min	Nm Nm	35 35
	max	Nm	35
	min	lbin	25.8
California a farma for a cil force i al	max	lbin	25.8
Fightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
			0.74
	min	Ibin	
		lbin	0.74
Max number of wires simultaneously connectable	min		
·	min	lbin	0.74
·	min	lbin	0.74
Max number of wires simultaneously connectable Conductor section AWG/Kcmil	min	lbin	0.74



Operating position

Operating position				
		normal 		Vertical plan
.		allowable		±30°
Fixing				Screw
Weight			g	1112
Conductor section				
	AWG/kcmil conductor section			0.0001
Ou - n - ti - n -		max		2x 300 kcmil
Operations				10000000
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data	Lance I'm to EN/IOO 40400 4			
Performance level B100	d according to EN/ISO 13489-1			700000
		rated load	cycles	700000
M	. I. IEO/EN 000474 4 4	mechanical load	cycles	10000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	(COLI- COLI-			
Rated AC voltage at 50/	0UTZ, 0UTZ		17	220
		min	V	220
A C an a ratio t		max	V	240
AC operating voltage	of 50/001			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/116	00
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	0/116	20
		min	%Us %Us	20 60
	of EO/COLIZ and noward at COLIZ	max	7008	00
	of 50/60Hz coil powered at 60Hz			
	pick-up	min	%Us	80
		min		110
	drop out	max	%Us	110
	drop-out	min	%Us	20
			%Us %Us	60
	of COLIZ anil naviored at COLIZ	max	70US	00
	of 60Hz coil powered at 60Hz pick-up			
	pick-up	min	%Us	80
		max	%Us	110
	drop-out	IIIdX	/005	110
	urop-out	min	%Us	20
		max	%Us	60
AC average coil consun	ention at 20°C	IIIdX	/005	00
•	of 50/60Hz coil powered at 50Hz			
	or 30/00112 con powered at 30H2	in-rush	VA	300
		holding	VA VA	10
	of 50/60Hz coil powered at 60Hz	Holding	٧A	10
	oi 50/00mz coii powered at 00mz	in-rush	١/٨	300
			VA VA	300
Dissipation at halding of	20°C 50H-	holding	VA	10
Dissipation at holding ≤2 DC coil operating	2U U DUMZ		W	10



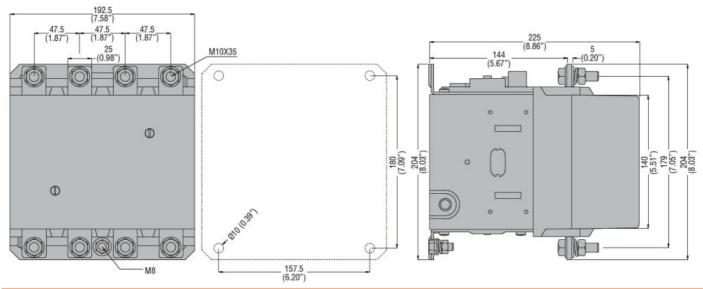


			min	V	220
			max	V	240
DC operating voltage			Пах	•	210
2 o operaning remage	pick-up				
	1 1		min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C		. ,	101	000
			in-rush	W	300
Max cycles frequency			holding	W	10
Mechanical operation				cycles/h	2400
Operating times				Cyclc3/11	2400
Average time for Us co	ontrol				
5	in AC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC	Clasina NO			
		Closing NO	min	ms	80
			max	ms	120
		Opening NO	Παλ	1113	120
		opolinig i to	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC	motor			
			at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe		•			
	for three-phase A	C motor	000/000/	LID	405
			200/208V 220/230V	HP HP	125 150
			460/480V	пг HP	350
			575/600V	HP	400
General USE			3.3,330 1		
	Contactor				
			AC current	Α	550
Short-circuit protection					
	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
Ambient conditions			Fuse class		L
Ambient conditions					
Temperature	Operating towns	aturo			
	Operating temperating	aiult	min	°C	-50
			max	°C	70
	Storage temperate	ure	παλ		. •
	2.2.2.go 15111porut				

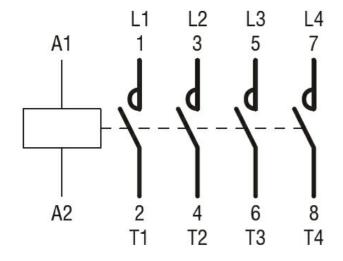


	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions [mm (in)]



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



11B400400220

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 220...240VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching





Product designation Product type designation			Power contactor B400
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		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	A	200
Rated operational power AC-1 (T≤40°C)	710 1 (1001)	- , ,	
Traited operational power 70-1 (12-40 0)	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	090 V	KVV	390
TEC max current le in DC i with L/K \(\) ims with i poles in series	75\/	۸	400
	75V	A	400
	110V	A	250
	220V	A	
	330V	A	
150	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			400
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350



50			
EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	75V	۸	350
	110V	A A	200
	220V	A	
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	400 V		
20 max current le in 200-200 with E/N 2 10ms with 2 poles in series	75V	Α	350
	110V	A	350
	220V	A	280
	330V	A	
	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		
LO max current le in DO3-DO3 with L/N = 13ms with 3 poles in series	75V	۸	350
	110V	A	350
		A	
	220V 330V	A	350
		A	280
FC many assument to its DC2 DC5 with L/D < 45 may with A males in acrise	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	75\/	۸	250
	75V	A	350
	110V	A	350
	220V	A	350
	330V	A	280
21 - 4 (* 11 11 11 - 11 - 11 - 11 -	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse	0 (150)	•	000
	gG (IEC)	Α	630
(1)	aM (IEC)	A	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage	4.40\	•	1000
	440V	A	4000
	500V	A	3400
	690V	A	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)	1.1		
	Ith	W	52
	AC3	W	32
Fightening torque for terminals			
	min	Nm	35
	max ·	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Fightening torque for coil terminal			
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
Conductor section	max		2x 300 kcmil



Operating position

Operating position				
		normal 		Vertical plan
.		allowable		±30°
Fixing				Screw
Weight			g	1114
Conductor section				
	AWG/kcmil conductor section			0.0001
Our amadéa ma		max		2x 300 kcmil
Operations				10000000
Mechanical life			cycles	10000000
Electrical life			cycles	700000
Safety related data	Lanca III a 12 FN/IOO 10100 1			
Performance level B10	d according to EN/ISO 13489-1			700000
		rated load	cycles	700000
M	. (. IEO/EN 000474 4 4	mechanical load	cycles	10000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	/60L1= 60L1=			
Rated AC voltage at 50,	/OUTZ, OUTZ		17	200
		min	V	380
A C an a ratio		max	V	415
AC operating voltage	of 50/0011- and a 5011-			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/116	00
		min	%Us	80
	dran out	max	%Us	110
	drop-out	min	0/116	20
		min	%Us %Us	20 60
	of FO/GOLLE and powered at GOLLE	max	7008	00
	of 50/60Hz coil powered at 60Hz			
	pick-up	min	%Us	80
		min	%Us	110
	drop out	max	7008	110
	drop-out	min	%Us	20
			%Us	60
	of 60Hz coil powered at 60Hz	max	/0US	00
	pick-up			
	ριοκ-αρ	min	%Us	80
		max	%Us	110
	drop-out	IIIdX	/003	110
	αιορ-οαι	min	%Us	20
		max	%Us	60
AC average coil consur	nntion at 20°C	IIIAX	/003	- 50
to avorage con consul	of 50/60Hz coil powered at 50Hz			
	or 50/00112 con powered at 50/12	in-rush	VA	300
		holding	VA VA	10
	of 50/60Hz coil powered at 60Hz	ribiding	v //\	10
	of 30/00112 coil powered at 00112	in-rush	VA	300
		holding	VA VA	10
Dissipation at holding ≤	20°C €0∐-7	riolality	W	10
Dissipation at noiding ≤ DC coil operating	20 O JUI IZ		VV	10

DC rated control voltage



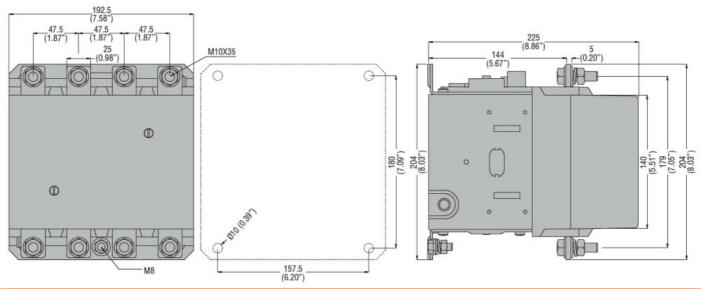


			min	V	380 415
DC operating voltage			max	V	410
DC operating voitage	pick-up				
	pick-up		min	%Us	80
			max	%Us	110
	drop-out				
	·		min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency				1 //	0.100
Mechanical operation				cycles/h	2400
Operating times Average time for Us co	ontrol				
Average unite 101 US CC	in AC				
	шдо	Closing NO			
		2.009 110	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		Closing NO			
			min	ms	80
		On aning NO	max	ms	120
		Opening NO	min	me	30
			max	ms ms	75
UL technical data			max	1113	73
Full-load current (FLA)	for three-phase AC	C motor			
,	,		at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe	erformance				
	for three-phase A	.C motor			
			200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
Canaral LICE			575/600V	HP	400
General USE	Contactor				
	Contactor		AC current	Α	550
Short-circuit protection	n fuse 600V		AC CUITEIIL		550
Chort should protocilor	Standard fault				
	Starioura raun		Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temper	ature			
			min	°C	-50
			max	°C	70
	Storage temperat	ure			

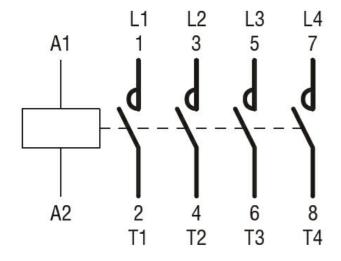


	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions [mm (in)]



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



11B400400380

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 380...415VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching



Product designation Product type designation			Power contactor B400
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		Α	550
Operational current le			
	AC-1 (≤40°C)	Α	550
	AC-1 (≤55°C)	Α	430
	AC-1 (≤70°C)	Α	360
	AC-3 (≤440V ≤55°C)	Α	420
	AC-4 (400V)	Α	200
Rated operational power AC-1 (T≤40°C)			
	230V	kW	200
	400V	kW	345
	500V	kW	452
	690V	kW	598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	400
	110V	Α	250
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			_
	75V	Α	400
	110V	Α	400
	220V	Α	350
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	350
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	400
	110V	Α	400
	220V	Α	400
	330V	Α	400
	460V	Α	350



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	350
	110V	Α	200
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	75V	Α	350
	110V	Α	350
	220V	Α	280
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
20 max danon lo in 200 200 mai 2/1 2 fomo mai o poloc in dondo	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
	460V	A	
TC may augreent to in DC2 DC5 with L/D < 15mg with 4 malos in parise	460 V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	751	Δ.	050
	75V	A	350
	110V	A	350
	220V	Α	350
	330V	Α	280
	460V	A	280
Short-time allowable current for 10s (IEC/EN60947-1)		Α	3600
Protection fuse			
	gG (IEC)	Α	630
	aM (IEC)	Α	400
Making capacity (RMS value)		Α	4200
Breaking capacity at voltage			
	440V	Α	4000
	500V	Α	3400
	690V	Α	3360
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	52
	AC3	W	32
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	Ibin	25.8
	max	Ibin	25.8
	Παλ	10111	20.0
Tightening torque for coil terminal			
Tightening torque for coil terminal	min	Nlm	1
Tightening torque for coil terminal	min	Nm	1
Tightening torque for coil terminal	max	Nm	1
Tightening torque for coil terminal	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
Tightening torque for coil terminal Max number of wires simultaneously connectable Conductor section AWG/Kcmil	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	1114
Conductor section			
AWG/kcmil conductor section			
	max		2x 300 kcmil
Operations			
Mechanical life		cycles	10000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	700000
	mechanical load	cycles	10000000
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
	max	V	480
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11	0.0
	min	%Us	80
drop out	max	%Us	110
drop-out	min	%Us	20
	min max	%Us	60
of 50/60Hz coil powered at 60Hz	IIIax	/003	
pick-up			
ριοκ αρ	min	%Us	80
	max	%Us	110
drop-out	max	7000	
	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	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	300
	holding	VA	10
Dissipation at holding ≤20°C 50Hz		W	10

11B400400440



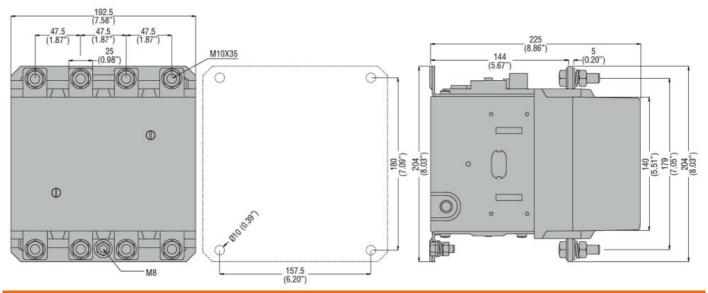


					4.40
			min max	V V	440 480
DC operating voltage			max	v	400
20 operating remage	pick-up				
	F. 5. 5. 5. F		min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
Max cycles frequency			holding	W	10
Mechanical operation				cycles/h	2400
Operating times				Cycles/II	2400
Average time for Us co	ontrol				
- 1.9	in AC				
		Closing NO			
		-	min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC	01 : 110			
		Closing NO	i-		0.0
			min	ms ms	80 120
		Opening NO	max	ms	120
		Opening NO	min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC	C motor			
			at 480V	Α	414
			at 600V	Α	382
Yielded mechanical pe					
	for three-phase A	.C motor			
			200/208V	HP	125
			220/230V	HP	150
			460/480V 575/600V	HP HP	350 400
General USE			373/0007	ПГ	+ 00
Control OOL	Contactor				
	30.1140101		AC current	Α	550
Short-circuit protection	r fuse, 600V				
,	Standard fault				
			Short circuit current	kA	18
			Fuse rating	Α	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temper	ature		0.0	50
			min	°C	-50 70
	Storage temperat	uro	max	°C	70
	Storage temperat	uic			

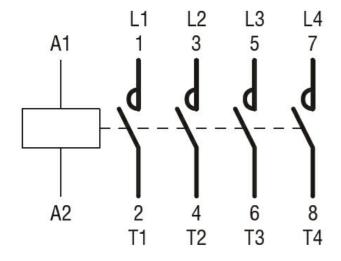


	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

Dimensions [mm (in)]



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



11B400400440

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 440...480VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching