



Number of poles	Product designation Product type designation			Power contactor B400
Rated insulation voltage UinpC/EN V 1000 Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 550 Operational current le AC-1 (≤40°C) A 350 AC-1 (≤55°C) A 430 AC-1 (≤70°C) A 360 AC-3 (≤440V ≤55°C) A 420 AC-4 (400V) A 200 Rated operational power AC-1 (T≤40°C) 230V kW 200 A 450 AC-4 (400V) A 200 A 450 A 450 AC-3 (≤440V ≤55°C) A 480 A 450 A 400 Rated operational power AC-1 (T≤40°C) 230V kW 200 A 450 A 400 A 200 A 452 690V kW 452 A 400 A -2 200V A 330V A<				
Rated insulation voltage UinpC/EN V 1000 Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 550 Operational current le AC-1 (≤40°C) A 350 AC-1 (≤55°C) A 430 AC-1 (≤70°C) A 360 AC-3 (≤440V ≤55°C) A 420 AC-4 (400V) A 200 Rated operational power AC-1 (T≤40°C) 230V kW 200 A 450 AC-4 (400V) A 200 A 450 A 450 AC-3 (≤440V ≤55°C) A 480 A 450 A 400 Rated operational power AC-1 (T≤40°C) 230V kW 200 A 450 A 400 A 200 A 452 690V kW 452 A 400 A -2 200V A 330V A<	Number of poles		Nr.	4
Rated impulse withstand voltage Ulimp			V	1000
Operational frequency min max Hz bit Hz 2 400 IEC Conventional free air thermal current lth A 550 Operational current le AC-1 (≤40°C) A 550 AC-1 (≤55°C) A 430 AC-1 (≤70°C) A 360 AC-1 (≤70°C) A 360 AC-3 (≤4400 ≤55°C) A 420 AC-4 (400°V) A 200 Rated operational power AC-1 (T≤40°C) 230V kW 200 400V kW 345 500V kW 345 500V kW 345 500V kW 452 690V kW 598 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 400 110V A 250 220V A - 400V A - 460V A - 400 110V A 400 220V A 350 330V A - 400 110V A 400 220V A 350 330V A - 400 330V A - 400 330V A 350 460V A - 500 330V A 400 3			kV	8
Min				
EC Conventional free air thermal current Ith	. ,	min	Hz	25
EC Conventional free air thermal current lth			Hz	
Operational current le AC-1 (≤40°C) A 550 AC-1 (≤55°C) A 430 AC-1 (≤70°C) A 360 AC-3 (≤4400 ≤55°C) A 420 AC-4 (400V) A 200 Rated operational power AC-1 (T≤40°C) 230V kW 200 400V kW 345 500V kW 452 690V kW 598 598 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 400 110V A 250 220V A 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 400 110V A 400 220V A 400 330V A 350 330V A 400 110V A 400 220V A 400 330V A 400 110V A 400 220V A 400 330V A 400	IEC Conventional free air thermal current Ith			
AC-1 (≤40°C)	Operational current le			
AC-1 (≤55°C)		AC-1 (≤40°C)	Α	550
AC-1 (≤70°C) A 360 AC-3 (≤440V ≤55°C) A 420 AC-4 (400V) A 200 Rated operational power AC-1 (T≤40°C) 230V kW 200 400V kW 345 500V kW 598 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 400 110V A 250 220V A 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 400 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 400 110V A 400 220V A 400 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		,		
AC-3 (≤440V ≤55°C) A 420 AC-4 (400V) A 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 A 400 110V A 250 220V A 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 400 110V A 400 220V A 400 330V A 350 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		,		
AC-4 (400V)		,		
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 A 400 110V A 250 220V A 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 350 330V A 460V A IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 400 330V A 350 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 400 110V A 400 220V A 400 330V A 350 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		•		
230V kW 200 440V kW 345 500V kW 452 690V kW 598	Rated operational power AC-1 (T<40°C)	710 1 (1001)		
A00V kW 345 500V kW 452 690V kW 598	Traced operational pewer 7.0 1 (1=10 0)	230\/	k\/\/	200
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 400				
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V				
75V	IFC may current le in DC1 with L/R < 1ms with 1 noles in series	030 V	IXVV	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	120 max current to in 201 with 2/(2 mis with 1 poles in series	75\/	Δ	400
330V				
A60V				
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC may current to in DC1 with L/P < 1mc with 2 polos in series	400 V	^	_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TEC max current le in DCT with L/K \(\) mis with 2 poles in series	75\/	۸	400
EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series				
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 75V A 400 110V A 400 220V A 400 330V A 350 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 400 110V A 400 110V A 400 220V A 400 330V A 400 330V A 400				
	IFC many assument to in DC4 with L/D < 4 man with 2 males in paging	400 V	A	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	TEC max current le in DCT with L/R \(\sigma\) This with 3 poles in series	75\/	۸	400
330V A 350 460V A IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 400 110V A 400 220V A 400 330V A 400 330V A 400				
A60V A				
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 75V A 400 110V A 400 220V A 400 330V A 400				
75V A 400 110V A 400 220V A 400 330V A 400	IFC may assume the important to the DC4 with L/D < 4 may with 4 males in parise	46U V	A	
110V A 400 220V A 400 330V A 400	IEC Max current le in DCT with L/R ≤ 1ms with 4 poles in series	751	Α	400
220V A 400 330V A 400				
330V A 400				
460V A 350				
		46UV	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 carrone to in 200 200 mar 2/10 = 10 mo mar o poloc in conce	75V	Α	350
	110V	A	350
	220V	A	350
	330V	A	280
	460V	A	
FC many assument to im DC2 DC5 with 1/D < 45mm with 4 males in position	4607	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	75)/		050
	75V	Α	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)			
and another here (an energy	Ith	W	52
	AC-3	W	32
Fightening torque for terminals	7.00	•••	
ignoring torque for terminals	min	Nm	35
	max	Nm	35 35
	min	Ibin	25.8
		Ibin	25.8
Fightening torque for coil terminal	max	ווטו	20.0
nghiening torque for con terminal		N I.a.:	4
	min	Nm	1
	max	Nm	1
	min	lbin	0.74
	max	lbin	0.74
		N I.e	2
·		Nr.	
Conductor section		INF.	
·		INF.	
Max number of wires simultaneously connectable Conductor section AWG/Kcmil	max	INF.	2x 300 kcmil





Operating position

operaning promon		normal		Vertical plan
E		allowable		±30°
Fixing				Screw
Weight			g	1114
Operations Mechanical life			ovoloo	10000000
Electrical life			cycles	700000
Safety related data			cycles	700000
	0d according to EN/ISO 13489-1			
Periormance level bit	od according to EN/13O 13469-1	rated load	cycles	700000
		mechanical load	cycles	100000
Mirror contats according to IEC/EN 609474-4-1		THECHAINCAI IOAU	Cycles	Yes
EMC compatibility	ig to 126/214 609474-4-1			yes
AC coil operating				yes
Rated AC voltage at 50	0/60Hz 60Hz			
rated 710 voltage at of	0,00112, 00112	min	V	440
		max	V	480
AC operating voltage		HILL	v	700
operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	pion ap	min	%Us	80
		max	%Us	110
	drop-out			
	'	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		0/11-	20
		min	%Us	20
AC average coil consu	umption at 20°C	max	%Us	60
AC average con const	•			
	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
	or 50/001 12 con powered at our 12	in-rush	VA	300
		holding	VA	10
Dissipation at holding :	≤20°C 50Hz	Holding	W	10
DC coil operating			• •	
DC rated control voltage	de			
	y -	min	V	440
		max	V	480
DC operating voltage			-	





	-1-1				
	pick-up		min	%Us	80
			max	%Us	110
	drop-out		IIIax	/603	110
	drop-out		min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
0			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co					
	in AC				
		Closing NO	_		
			min	ms	80
		On order to MO	max	ms	120
		Opening NO		ma	20
			min	ms	30 75
	in DC		max	ms	75
	III DC	Closing NO			
		Closing NO	min	ms	80
			max	ms	120
		Opening NO	max		.20
		opog o	min	ms	30
			max	ms	75
UL technical data					
Rated operational volta	age AC (UL)			V	600
Full-load current (FLA)	for three-phase AC m	otor			
			at 480V	Α	414
					202
			at 600V	Α	382
Yielded mechanical pe			at 600V	Α	382
Yielded mechanical pe	erformance for three-phase AC r	motor			
Yielded mechanical pe		motor	200/208V	HP	125
Yielded mechanical pe		notor	200/208V 220/230V	HP HP	125 150
Yielded mechanical pe		motor	200/208V 220/230V 460/480V	HP HP HP	125 150 350
		motor	200/208V 220/230V	HP HP	125 150
Yielded mechanical pe	for three-phase AC r	motor	200/208V 220/230V 460/480V	HP HP HP	125 150 350
		notor	200/208V 220/230V 460/480V 575/600V	HP HP HP HP	125 150 350 400
General USE	for three-phase AC r	motor	200/208V 220/230V 460/480V	HP HP HP	125 150 350
	for three-phase AC r Contactor fuse, 600V	motor	200/208V 220/230V 460/480V 575/600V	HP HP HP HP	125 150 350 400
General USE	for three-phase AC r	motor	200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP	125 150 350 400
General USE	for three-phase AC r Contactor fuse, 600V	motor	200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP	125 150 350 400
General USE	for three-phase AC r Contactor fuse, 600V	motor	200/208V 220/230V 460/480V 575/600V AC current	HP HP HP A	125 150 350 400 550
General USE	for three-phase AC r Contactor fuse, 600V	motor	200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	HP HP HP A	125 150 350 400 550
General USE Short-circuit protection	for three-phase AC r Contactor fuse, 600V	motor	200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	HP HP HP A	125 150 350 400 550
General USE Short-circuit protection Ambient conditions	for three-phase AC r Contactor fuse, 600V		200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	HP HP HP A	125 150 350 400 550
General USE Short-circuit protection Ambient conditions	Contactor fuse, 600V Standard fault		200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	HP HP HP A kA A	125 150 350 400 550 18 800 L
General USE Short-circuit protection Ambient conditions	for three-phase AC r Contactor fuse, 600V Standard fault Operating temperatu	re	200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class	HP HP HP A	125 150 350 400 550
General USE Short-circuit protection Ambient conditions	Contactor fuse, 600V Standard fault	re	200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class min max	HP HP HP A kA A	125 150 350 400 550 18 800 L
General USE Short-circuit protection Ambient conditions	for three-phase AC r Contactor fuse, 600V Standard fault Operating temperatu	re	200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class	HP HP HP A kA A	125 150 350 400 550 18 800 L

ENERGY AND AUTOMATION

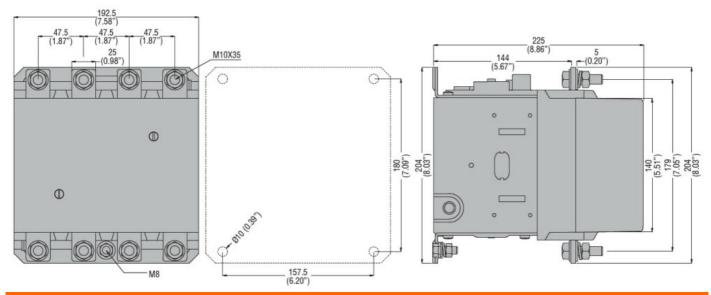
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 550A, AC/DC COIL, 440...480VAC/DC

Max altitude m 3000

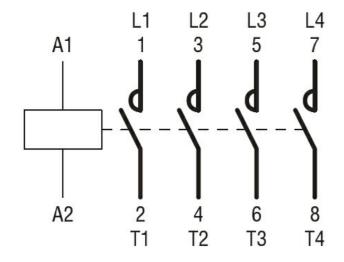
Resistance & Protection

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