





AC-1 (AC-1 (AC-3 (≤440V	min max ≤40°C) ≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V 690V	Nr. V kV Hz Hz A A A A A KW kW kW	550 550 430 360 420 200 200 200 345 452 598
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Operational current Ie AC-1 (AC-1 (AC-1 (AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current Ie in DC1 with L/R ≤ 1ms with 1 poles in series	max ≤40°C) ≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	V kV Hz A A A A A kW kW kW	1000 8 25 400 550 550 430 360 420 200 200 345 452 598
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Operational current Ie AC-1 (AC-1 (AC-1 (AC-1 (AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current Ie in DC1 with L/R ≤ 1ms with 1 poles in series	max ≤40°C) ≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	Hz Hz A A A A A A KW kW kW	8 25 400 550 550 430 360 420 200 200 200 345 452 598
Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Operational current Ie AC-1 (AC-1 (AC-1 (AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current Ie in DC1 with L/R ≤ 1ms with 1 poles in series	max ≤40°C) ≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	Hz Hz A A A A A A kW kW	25 400 550 550 430 360 420 200 200 200 345 452 598
IEC Conventional free air thermal current Ith Operational current Ie AC-1 (AC-1 (AC-1 (AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current Ie in DC1 with L/R ≤ 1ms with 1 poles in series	max ≤40°C) ≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	A A A A A KW kW kW	400 550 550 430 360 420 200 200 345 452 598
Operational current le AC-1 (AC-1 (AC-1 (AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	max ≤40°C) ≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	A A A A A KW kW kW	400 550 550 430 360 420 200 200 345 452 598
Operational current le AC-1 (AC-1 (AC-1 (AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	≤40°C) ≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	A A A A A kW kW	550 550 430 360 420 200 200 345 452 598
Operational current le AC-1 (AC-1 (AC-1 (AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	A A A A kW kW	550 430 360 420 200 200 345 452 598
AC-1 (AC-1 (AC-1 (AC-1) (AC-3 (≤440V AC-4) Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	A A A A kW kW kW	430 360 420 200 200 200 345 452 598
AC-1 (AC-1 (AC-3 (≤440V AC-4)) Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	≤55°C) ≤70°C) ≤55°C) (400V) 230V 400V 500V	A A A A kW kW kW	430 360 420 200 200 200 345 452 598
AC-1 (AC-3 (≤440V AC-4) Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	≤70°C) ≤55°C) (400V) 230V 400V 500V	A A A kW kW kW	360 420 200 200 345 452 598
AC-3 (≤440V AC-4 Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	≤55°C) (400V) 230V 400V 500V	A A kW kW kW	420 200 200 345 452 598
Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	230V 400V 500V	kW kW kW	200 200 345 452 598
Rated operational power AC-1 (T≤40°C) IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	230V 400V 500V	kW kW kW	200 345 452 598
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	400V 500V	kW kW	345 452 598
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	400V 500V	kW kW	345 452 598
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	500V	kW	452 598
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			598
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	690V	kW	
IEC max current le in DC1 with L/R ≤ 1ms with 2 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 3 poles in series			
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	75V	Α	400
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	110V	Α	400
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	220V	Α	350
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	330V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	460V	Α	
		_	
	75V	Α	400
	110V	A	400
	220V	A	400
	330V	A	350
150	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			400
	75V	A	400
		A	400
	110V	Α	400
	220V		400
		A A	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	460 V	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

Operating position	normal		Vertical plan
	allowable		±30°
Fixing			Screw
Weight		g	1112
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	220
	max	V	240
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
F15.1. UP	min	%Us	80
	max	%Us	110
drop-out	max	7000	110
4.0p 04.	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz	max	7000	
pick-up			
ριοκ αρ	min	%Us	80
	max	%Us	110
drop-out	max	7003	110
diop-out	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz	IIIdX	/005	50
·			
pick-up	min	%Us	80
	min	%Us	110
dron out	max	/oUS	110
drop-out	min	0/110	20
	min	%Us %Us	20 60
AC average coil consumption at 20°C	max	70US	00
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz		١/٨	200
	in-rush	VA	300
. (50/0011 1 1	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			

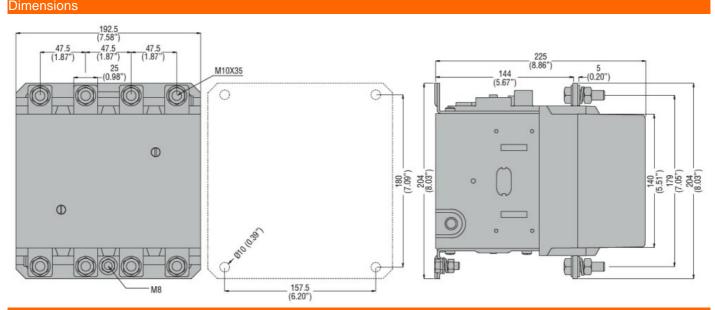




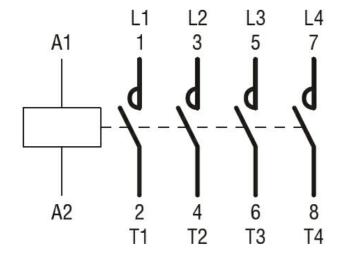
			min	V	220
			max	V	240
DC operating voltage	niek un				
	pick-up		min	%Us	80
			max	%Us	110
	drop-out			,,,,,	
	•		min	%Us	20
			max	%Us	60
Average coil consumpt	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency				avala a /b	2400
Mechanical operation Operating times				cycles/h	2400
Average time for Us co	ontrol				
	in AC				
	-	Closing NO			
		-	min	ms	80
			max	ms	120
		Opening NO	_		
			min	ms	30
	in DC		max	ms	75
	III DC	Closing NO			
		Closing NO	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	motor	-+ 400\/	Δ.	44.4
			at 480V at 600V	A A	414 382
Yielded mechanical pe	rformance		at 000 v	A	302
riciaca medianicai pe	for three-phase A	C motor			
	тот штоо рттаоо т	·	200/208V	HP	125
			220/230V	HP	150
			460/480V	HP	350
			575/600V	HP	400
General USE	•				
	Contactor		AO	۸	EEO
Short-circuit protection	fuso 600V		AC current	Α	550
Ghort-chedit protection	Standard fault				
	Januara radit		Short circuit current	kA	18
			Fuse rating	A	800
			Fuse class		L
Ambient conditions					
Temperature					
	Operating temper	ature			
			min	°C	-50 -70
	Storage temperat	uro	max	°C	70
	Storage temperat	uie			



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



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