



Product designation			Power contactor
Product type designation Contact characteristics			B250
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ΚV	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	350
Operational current le		- / (
oporational outron to	AC-1 (≤40°C)	Α	350
	AC-1 (≤55°C)	Α	300
	AC-1 (≤70°C)	Α	250
	AC-3 (≤440V ≤55°C)	Α	265
	AC-4 (400V)	Α	115
Rated operational power AC-3 (T≤55°C)	, ,		
, , ,	230V	kW	83
	400V	kW	140
	415V	kW	155
	440V	kW	164
	500V	kW	176
	690V	kW	212
	1000V	kW	156
Rated operational power AC-1 (T≤40°C)			_
	230V	kW	124
	400V	kW	214
	500V	kW	282
	690V	kW	380
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	350
	110V	Α	160
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		_	
	75V	A	350
	110V	A	300
	220V	A	250
	330V	A	
IFO many assument to in DO4 with 1/D < 4 with 0 1 :	460V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	751/	۸	250
	75V	A	350
	110V 220V	A A	300 300
	2200	^	300



	330V	Α	250
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	300
	330V	Α	300
	460V	Α	250
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	75V	Α	280
	110V	Α	150
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	280
	110V	Α	250
	220V	Α	200
	330V	A	
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	-100 V		
TEO Max current to in 200-200 with E/TC 2 Tomb with 6 poles in series	75V	Α	280
	110V	A	280
	220V	A	250
	330V	A	200
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	400 V		
TEC max current le in DC5-DC5 with E/N 3 15ms with 4 poles in series	75V	Α	280
	110V	A	280
	220V	A	280
	330V	A	200
	460V	A	200
Short-time allowable current for 10s (IEC/EN60947-1)	400 V		2200
			2200
Protection fuse	O (IEO)	۸	400
	gG (IEC)	A	400
Malian and (DMO all a)	aM (IEC)	A	250
Making capacity (RMS value)		Α	2750
Breaking capacity at voltage	4.403.4		0500
	440V	A	2500
	500V	A	2250
Decidence and the control of	690V	Α	2200
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
	Ith	W	24.5
	AC-3	W	12.5
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	lbin	25.8
Tightening torque for coil terminal			_
	min	Nm	1
	max	Nm	1



		min	Ibin	0.74
		max	Ibin	0.74
Max number of wires sin	nultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
Danier tamainal anatastis		max		500 kcmil
Mechanical features	on according to IEC/EN 60529			IP00
Operating position				
Operating position		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	9115
Conductor section				
	AWG/kcmil conductor section			
		max		500 kcmil
Operations				10000000
Mechanical life			cycles	10000000
Electrical life			cycles	1000000
Safety related data Performance level B100	I according to EN/ISO 13489-1			
r enormance level broc	raccolding to EN/130 13469-1	rated load	cycles	1000000
		mechanical load	cycles	1000000
Mirror contats according	to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/	60Hz		V	60
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	00
		min	%Us %Us	80 110
	drop-out	max	%US	110
	diop-out	min	%Us	20
		max	%Us	60
•	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11	
		min	%Us	20
	of 60Hz coil powered at 60Hz	max	%Us	60
	pick-up			
	ριοκ-αρ	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
		111001		
AC average coil consum				
_	nption at 20°C of 50/60Hz coil powered at 50Hz			
_		in-rush holding	VA VA	300 10



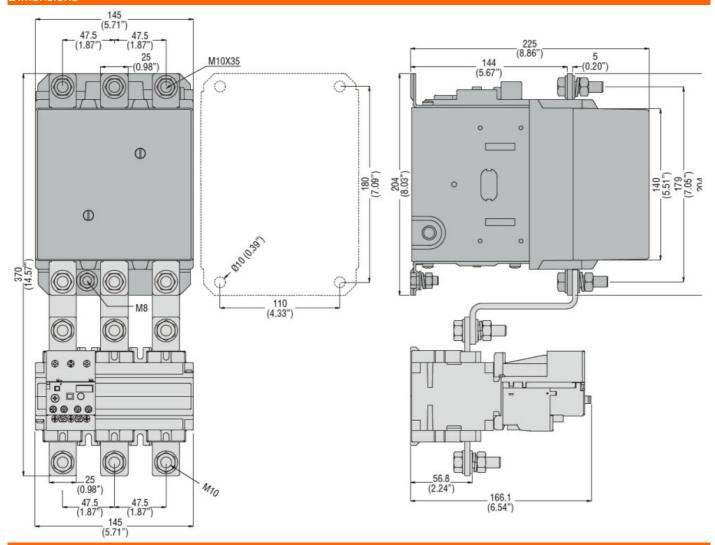
pick-up min wus 80 max wus 110 drop-out min wus 20 max wus 60 max ms 240 max ms 120 max ms 75 max ms 120 max ms 75 max ms 120 max ms 120 max ms 75 max ms 120 max ms 75						
holding		of 50/60Hz coil pov	vered at 60Hz			
Sepation at holding ≤20°C 50Hz						
C calculation voltage C rated control voltage C rated control voltage				holding		
C rated control voltage Pick-up		≤20°C 50Hz			W	10
Pick-up						
pick-up min wus 80 max wus 110 drop-out min wus 20 max wus 60 max ms 240 max ms 120 max ms 75 max ms 120 max ms 75 max ms 120 max ms 120 max ms 75 max ms 120 max ms 75	C rated control voltage	ge			V	60
Mark	C operating voltage					
March Mar		pick-up				
Arrange coil consumption ≤20°C max min %Us 20 max 700				min	%Us	80
min %U s 20 max %U s 60 max				max	%Us	110
min %U s 20 max %U s 60 max		drop-out				
rerage coil consumption ≤20°C In-rush holding W 300 In-rush holding W 10 In-rush holding In-rush In-ru		·		min	%Us	20
Verage coil consumption ≤20°C In-rush W 300 In-rush W 300 In-rush M						
In-rush holding W 300 holding W 10	verage coil consump	tion ≤20°C			,,,,,	
Noted in Note Not	vorago con concamp	11011 -20 0		in-rush	\//	300
ax cycles frequency echanical operation cycles/h 2400 perating times verage time for Us control in AC Closing NO min ms 80 max ms 120 Opening NO min ms 30 max ms 75 in DC Closing NO min ms 80 max ms 75 in DC Closing NO min ms 80 max ms 75 Lechnical data UII-load current (FLA) for three-phase AC motor at 480V A 240 at 600V A 242 elded mechanical performance for three-phase AC motor 200/208V HP 75 220/230V HP 100 575/600V HP 250 eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current Fuse rating A 800 Fuse class L motion of the conditions						
Section Sect	lay cycles frequency			Holding	V V	10
Perage time for Us control In AC					cycloc/b	2400
Closing NO					Cycles/II	4 400
in AC Closing NO min ms 80 max ms 120 Opening NO min ms 30 max ms 75 in DC Closing NO min ms 80 max ms 75 in DC Closing NO min ms 80 max ms 120 Opening NO min ms 80 max ms 120 Opening NO min ms 30 max ms 75 Lechnical data dil-load current (FLA) for three-phase AC motor at 480V A 240 at 600V A 242 elded mechanical performance for three-phase AC motor 200/208V HP 75 220/230V HP 100 575/600V HP 250 eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current KA 18 Fuse rating A 800 Fuse class Lethical data Short circuit current KA 18 Fuse rating A 800 Fuse class Lethical Max ms 75 AB 000 Fuse class AB 000 Fu	·	ontrol				
Closing NO	verage time for Us co					
Min		in AC	01 1 110			
Opening NO			Closing NO			
Opening NO min ms 30 max ms 75 ms 75 ms 75 ms ms ms ms ms ms ms m				min	ms	
Min min ms 30 max ms 75 min DC min ms 80 max ms 120 min ms 80 max ms 120 min ms 80 max ms 120 min ms 80 max ms 75 min ms 80 max ms 120 min ms 120				max	ms	120
Max ms 75			Opening NO			
In DC				min	ms	
Closing NO				max	ms	75
Opening NO min ms 80 max ms 120 min ms 30 max ms 75 max		in DC				
Opening NO min ms 30 max ms 75			Closing NO			
Opening NO min ms 30 max ms 75				min	ms	80
min ms 30 max ms 75				max	ms	120
min ms 30 max ms 75			Opening NO			
Lechnical data JII-load current (FLA) for three-phase AC motor at 480V A 240 at 600V A 242 elded mechanical performance for three-phase AC motor 200/208V HP 75 220/230V HP 100 575/600V HP 250 eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L				min	ms	30
Lechnical data Jull-load current (FLA) for three-phase AC motor at 480V A 240 at 600V A 242 elded mechanical performance for three-phase AC motor 200/208V HP 75 220/230V HP 100 575/600V HP 250 eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L				max	ms	75
All-load current (FLA) for three-phase AC motor at 480V A 240 at 600V A 242 elded mechanical performance	L technical data					
at 480V A 240 at 600V A 242 elded mechanical performance for three-phase AC motor 200/208V HP 75 220/230V HP 100 575/600V HP 250 eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L mbient conditions		for three-phase AC	motor			
at 600V A 242				at 480V	Α	240
elded mechanical performance for three-phase AC motor 200/208V HP 75 220/230V HP 100 575/600V HP 250 eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L						
for three-phase AC motor 200/208V HP 75 220/230V HP 100 575/600V HP 250 eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L	ielded mechanical ne	erformance		4,0007	- , ,	
200/208V HP 75	iolada modilamda pe		motor			
220/230V HP 100 575/600V HP 250		ioi iiiiee-piiase AC	motor	200/2001/	ПD	75
eneral USE Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L						
Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L						
Contactor AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L	2			5/5/600V	н	∠5∪
AC current A 350 nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L	enerai USE					
nort-circuit protection fuse, 600V Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L		Contactor				
Standard fault Short circuit current kA 18 Fuse rating A 800 Fuse class L mbient conditions				AC current	Α	350
Short circuit current kA 18 Fuse rating A 800 Fuse class L mbient conditions	hort-circuit protection	n fuse, 600V				
Fuse rating A 800 Fuse class L mbient conditions		Standard fault				
Fuse class L				Short circuit current	kA	18
Fuse class L				Fuse rating	Α	800
mbient conditions				_		
	mbient conditions					
	emperature					

Operating temperature



	min max	°C	-50 70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Pollution degree			3

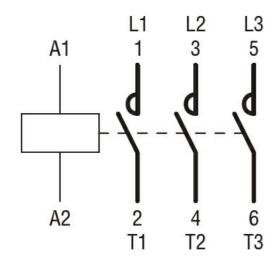
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 265A, AC/DC COIL,



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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