



Product designation Product type designation			Power contactor B400
Contact characteristics			
Number of poles		Nr.	3
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-3 (T≤55°C)			400
	230V	kW	130
	400V	kW	225
	415V	kW	247
	440V	kW	263
	500V 690V	kW kW	271 352
	1000V	kW	208
Rated operational power AC-1 (T≤40°C)	1000 V	KVV	200
Trated operational power AC-1 (1240 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	<b></b>
150			
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	75V 110V 220V	A A	400 400 400



	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	1001	- / \	
120 max outfork to in 200 200 with 2/1 = 10mb with 1 poles in series	75V	Α	350
	110V	A	200
	220V	A	
		A	
	330V		
150 DOS DOS WILLIAM W. G. L. I.	460V	Α	
IEC 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	
IEC 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	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	1001	,,	
120 max current to in 200-200 with 2/12 forms with 4 poics in series	75V	Α	350
	110V		350
		A	
	220V	A	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)			
1 1 1 ( 3)	Ith	W	52
	AC-3	W	32
Tightening torque for terminals	, 10 0	••	
ng.no.mg torquo for torrimitato	min	Nm	35
		Nm	35 35
	max		25.8
	min	lbin	
Tightening towns for call to assist a	max	Ibin	25.8
Tightening torque for coil terminal			4
	min	Nm	1
	max	Nm	1



Max number of wires simultaneously connectable Conductor section  AWG/Kcmil  Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  Fixing Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  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  drop-out	max normal allowable  max  rated load echanical load	g cycles cycles cycles cycles	0.74 2  2x 300 kcmil IP00  Vertical plan ±30° Screw 9770  2x 300 kcmil 10000000 700000 700000 100000000 yes yes
Conductor section  AWG/Kcmil  Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  Fixing  Weight Conductor section  AWG/kcmil conductor section  Operations  Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  me 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  drop-out	normal allowable max	g cycles cycles	2x 300 kcmil IP00  Vertical plan ±30° Screw 9770  2x 300 kcmil 10000000 700000 700000 100000000 yes
AWG/Kcmil  Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  Fixing Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  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  drop-out	normal allowable max	cycles cycles	Vertical plan ±30° Screw 9770  2x 300 kcmil 10000000 700000 100000000 yes
Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  Fixing Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  me 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  drop-out	normal allowable max	cycles cycles	Vertical plan ±30° Screw 9770  2x 300 kcmil 10000000 700000 100000000 yes
Mechanical features Operating position  Fixing Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  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  drop-out	normal allowable max	cycles cycles	Vertical plan ±30° Screw 9770  2x 300 kcmil 10000000 700000 100000000 yes
Mechanical features Operating position  Fixing Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  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  drop-out	allowable  max  rated load	cycles cycles	Vertical plan ±30° Screw 9770  2x 300 kcmil 10000000 700000 100000000 yes
Operating position  Fixing  Weight  Conductor section  AWG/kcmil conductor section  Operations  Mechanical life  Electrical life  Safety related data  Performance level B10d according to EN/ISO 13489-1  me  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  drop-out	allowable  max  rated load	cycles cycles	±30° Screw 9770  2x 300 kcmil 10000000 700000 100000000 yes
Fixing Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  me 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  drop-out	allowable  max  rated load	cycles cycles	±30° Screw 9770  2x 300 kcmil 10000000 700000 100000000 yes
Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  me 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  drop-out	allowable  max  rated load	cycles cycles	±30° Screw 9770  2x 300 kcmil 10000000 700000 100000000 yes
Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  me 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  drop-out	max rated load	cycles cycles	Screw 9770  2x 300 kcmil  10000000 700000  700000 100000000 yes
Weight Conductor section  AWG/kcmil conductor section  Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  me 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  drop-out	rated load	cycles cycles	9770  2x 300 kcmil  10000000  700000  700000  100000000  yes
Conductor section  AWG/kcmil conductor section  Operations  Mechanical life  Electrical life Safety related data  Performance level B10d according to EN/ISO 13489-1  me  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  drop-out	rated load	cycles cycles	2x 300 kcmil 10000000 700000 700000 100000000 yes
Operations  Mechanical life  Electrical life  Safety related data  Performance level B10d according to EN/ISO 13489-1  me  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  drop-out	rated load	cycles	10000000 700000 700000 10000000 yes
Mechanical life  Electrical life  Safety related data  Performance level B10d according to EN/ISO 13489-1  me  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  drop-out	rated load	cycles	10000000 700000 700000 10000000 yes
Mechanical life  Electrical life  Safety related data  Performance level B10d according to EN/ISO 13489-1  me  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  drop-out		cycles	700000 700000 10000000 yes
Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  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  drop-out		cycles	700000 700000 10000000 yes
Safety related data Performance level B10d according to EN/ISO 13489-1  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  drop-out		cycles	700000 10000000 yes
Performance level B10d according to EN/ISO 13489-1  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  drop-out		-	10000000 yes
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  drop-out		-	10000000 yes
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  drop-out		-	10000000 yes
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  drop-out	echanical load	cycles	yes
EMC compatibility  AC coil operating  Rated AC voltage at 50/60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out			
AC coil operating Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out			ves
Rated AC voltage at 50/60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz  pick-up  drop-out			, 00
AC operating voltage  of 50/60Hz coil powered at 50Hz  pick-up  drop-out		1/	0.4
of 50/60Hz coil powered at 50Hz pick-up drop-out		V	24
pick-up drop-out			
drop-out			
	min	%Us	80
	max	%Us	110
	Пах	7000	110
of 50/60Hz coil powered at 60Hz	min	%Us	20
of 50/60Hz coil powered at 60Hz	max	%Us	60
pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up	:	0/11-	90
	min	%Us	80
drop-out	max	%Us	110
diop-out	min	%Us	20
	max	%Us	60
AC average coil consumption at 20°C	IIIAA	/003	- 50
of 50/60Hz coil powered at 50Hz			
3. 33/00/12 00/1 portorod at 00/12			300
	in-rush	VA	10



	of 50/60Hz coil power	ed at 60Hz			
			in-rush	VA	300
			holding	VA	10
Dissipation at holding ≤	20°C 50Hz			W	10
DC coil operating					
DC rated control voltag	е			V	24
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
			max	%Us	60
Average coil consumpt	ion ≤20°C				
			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
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
	in DC				
		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 mo	tor			
			at 480V	Α	414
			at 600V	Α	382
Yielded mechanical per	rformance				
	for three-phase AC m	otor			
			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					
- 1					



3



## THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL,

### Operating temperature

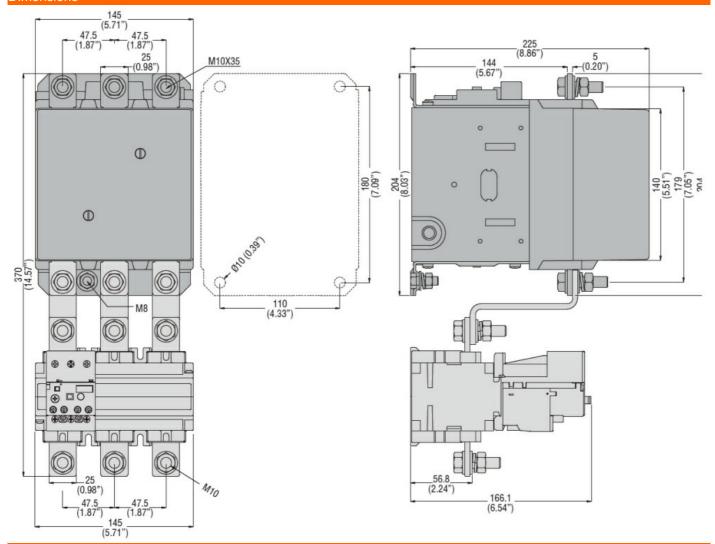
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
		m	3000

### Resistance & Protection

Pollution degree

**Dimensions** 

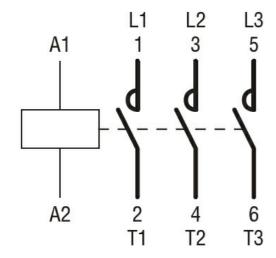
Max altitude



Wiring diagrams

**ENERGY AND AUTOMATION** 

### THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 420A, AC/DC COIL,



$\sim$	2.00				pliance
1 O F	TTIO	atione	าวทูก	-com	niianea.
OCI	шь	auon.	s anu	COILL	ullalice

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

11B4000024

EC000066 -Power contactor, AC switching