



Product designation			Power contactor
Product type designation			BF94
Contact characteristics			2. 0.
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
operational inequality	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	115
Operational current le			
	AC-1 (≤40°C)	Α	115
	AC-1 (≤55°C)	Α	95
	AC-1 (≤70°C)	Α	80
	AC-3 (≤440V ≤55°C)	A	95
	AC-4 (400V)	A	45
Rated operational power AC-3 (T≤55°C)	710 1 (1001)		
Traces operational perior 7.0 o (1-55 o)	230V	kW	30
	400V	kW	55
	415V	kW	55
	440V	kW	55
	500V	kW	55
	690V	kW	55
	1000V	kW	37
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	10001		<u> </u>
The max danion to in Bot with Ent - this with a polosin defice	≤24V	Α	77
	48V	A	66
	75V	A	66
	110V	Α	8
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	2201		
The max can six to in Bot man 2 ft = this man 2 police in conice	≤24V	Α	110
	48V	Α	110
	75V	Α	110
	110V	Α	90
	220V	Α	9
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	Α	110
	48V	Α	110
	75V	A	110
	110V	Α	93
	220V	Α	95
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		• • •	
sanon lo il Bo i mai Ent = illio mai i poloci il dollo	≤24V	Α	115
	48V	A	115
	40 V	^	110



	75V	Α	115
	110V	Α	110
	220V	Α	115
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	45
	48V	Α	33
	75V	Α	33
	110V	Α	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	65
	48V	Α	55
	75V	Α	55
	110V	Α	43
	220V	Α	5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	86
	48V	A	75
	75V	Α	75
	110V	Α	64
	220V	Α	64
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			<u> </u>
TEO HIGA GUITORIA DO DOO WAT EN CE TOMO WAT I POROC III GOTIGO	≤24V	Α	96
	48V	Α	95
	75V	A	95
	110V	A	80
	220V	Α	80
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	640
Protection fuse			040
Tiotection ruse	gG (IEC)	Α	125
	aM (IEC)	A	100
Making capacity (RMS value)	aivi (ILC)		950
		^	930
Breaking capacity at voltage	440\/	۸	640
	440V	A	640
	500V	A	625
Desistance records (successive)	690V	A	456
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)	1.1		
	Ith	W	7.9
	AC3	W	5.4
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	min	lbin	3
	max	Ibin	3.7
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			

Flexible w/o lug conductor section



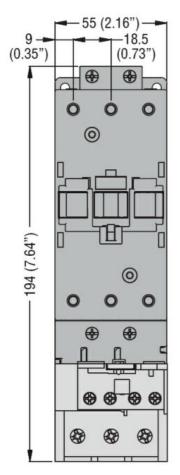


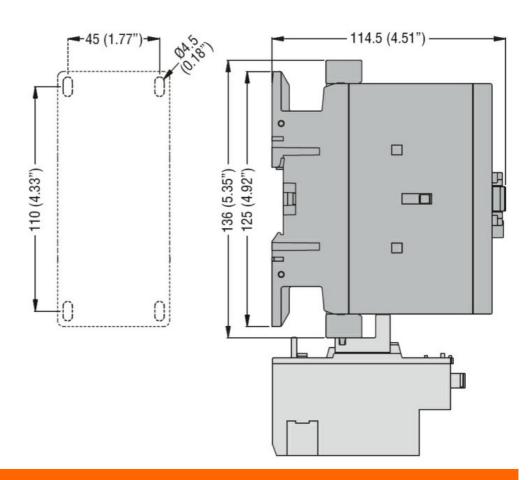
		min	mm² mm²	1.5 35
Power terminal protect	ion according to IEC/EN 60529	max	HIIII	IP20
Mechanical features	ion according to IEG/EN 00329			IF 20
Operating position				
Operating position		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1100000
Safety related data				
Mirror contats according	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50	0/60Hz, 60Hz			
		min	V	20
		max	V	48
Rated AC voltage at 50)/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	85 Us min
		max	%Us	110 Us max
	drop-out			
		max	%Us	≤70 Us min
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	85 Us min
		max	%Us	110 Us max
	drop-out			
		max	%Us	≤70 Us min
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	35120
		holding	VA	1.53.7
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	35120
		holding	VA	1.53.7
Dissipation at holding ≤	\$20°C 50Hz		W	12.5
DC coil operating				
DC rated control voltage	ge			
		min	V	20
		max	V	48
DC rated control voltage	je		V	24
DC operating voltage				
	pick-up			
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		max	%Us	≤70 Us min



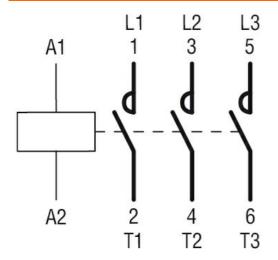
Average coil consu	mption <20°C				
Average con consu	mpuon ≤20 C		in-rush	W	2368
			holding	W	1.21,9
Max cycles frequen	CV		Helaling	•••	1.21,0
Mechanical operation				cycles/h	3600
Operating times				,	
Average time for Us	s control				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
	in DC				
		Closing NO			
			min	ms	40
		0. 1. 110	max	ms	85
		Opening NO		,	20
			min	ms	20
UL technical data			max	ms	55
	_A) for three-phase A(motor			
ruii-ioau cuitetii (Fi	_A) for tillee-phase At	J IIIO(O)	at 480V	Α	77
			at 600V	A	77
Yielded mechanical	norformanco		at 000 v		11
rielded mechanical	for three-phase A	C motor			
	ioi tilico pilaso A	io motor	200/208V	HP	25
			220/230V	HP	30
			460/480V	HP	60
			575/600V	HP	75
General USE					
	Contactor				
			AC current	Α	115
Short-circuit protect	ion fuse, 600V				
,	High fault				
	-		Short circuit current	kA	100
			Fuse rating	Α	200
			Fuse class		J
	Standard fault				
			Short circuit current	kA	10
			Fuse rating	Α	200
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temper	ature			
			min	°C	-50
			max	°C	70
	Storage temperat	rure		2.5	
			min	°C	-60
NA 100 - 1			max	°C	80
Max altitude	.\1			m	3000
Dimensions [mm (in	IJ <u></u>				







Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 94A, AC/DC COIL, 20...48VAC/DC

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching





Product designation Power contactor Product type designation **BF94** Contact characteristics Nr. 3 Number of poles Rated insulation voltage Ui IEC/EN ٧ 1000 k۷ Rated impulse withstand voltage Uimp 8 Operational frequency min Нъ 25 max Hz 400 IEC Conventional free air thermal current Ith 115 Α Operational current le AC-1 (≤40°C) Α 115 AC-1 (≤55°C) Α 95 AC-1 (≤70°C) Α 80 AC-3 (≤440V ≤55°C) Α 95 AC-4 (400V) 45 Rated operational power AC-3 (T≤55°C) 230V kW 30 400V kW 55 415V kW 55 440V kW 55 500V kW 55 690V kW 55 1000V kW 37 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 77 ≤24V Α 48V Α 66 75V Α 66 110V Α 8 220V Α IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V Α 110 48V Α 110 75V Α 110 110V Α 90 220V Α 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V Α 110 48V Α 110 75V Α 110 110V 93 220V Α 95 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V Α 115 48V Α 115



	75V	Α	115
	110V	Α	110
	220V	Α	115
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	45
	48V	Α	33
	75V	Α	33
	110V	Α	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	65
	48V	Α	55
	75V	Α	55
	110V	Α	43
	220V	Α	5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	86
	48V	A	75
	75V	Α	75
	110V	Α	64
	220V	Α	64
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			<u> </u>
TEO HIGA GUITORIA DO DOO WAT EN CE TOMO WAT I POROC III GOTIGO	≤24V	Α	96
	48V	Α	95
	75V	A	95
	110V	A	80
	220V	Α	80
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	640
Protection fuse			040
Tiotection ruse	gG (IEC)	Α	125
	aM (IEC)	A	100
Making capacity (RMS value)	aivi (ILC)		950
		^	930
Breaking capacity at voltage	440\/	۸	640
	440V	A	640
	500V	A	625
Desistance records (successive)	690V	A	456
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)	1.1		
	Ith	W	7.9
	AC3	W	5.4
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	min	lbin	3
	max	Ibin	3.7
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			

Flexible w/o lug conductor section





		min	mm² mm²	1.5 35
Power terminal protection	according to IEC/EN 60529	max	111111	IP20
Mechanical features	according to IEC/EN 00329			IF 20
Operating position				
Operating position		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1100000
Safety related data				
Mirror contats according to	IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/60	Hz, 60Hz			
J		min	V	60
		max	V	110
Rated AC voltage at 50/60	Hz		V	110
AC operating voltage				
	50/60Hz coil powered at 50Hz			
	pick-up			
	·	min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
	·	max	%Us	≤70 Us min
of	50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		max	%Us	≤70 Us min
AC average coil consumpt	ion at 20°C			
of	50/60Hz coil powered at 50Hz			
		in-rush	VA	35120
		holding	VA	1.53.7
of	50/60Hz coil powered at 60Hz			
		in-rush	VA	35120
		holding	VA	1.53.7
Dissipation at holding ≤20°	C 50Hz		W	12.5
DC coil operating				
DC rated control voltage				
		min	V	60
		max	V	110
DC rated control voltage			V	110
DC operating voltage				
pio	ck-up			
·		min	%Us	80 Us min
		max	%Us	110 Us max
dr	op-out			
		max	%Us	≤70 Us min

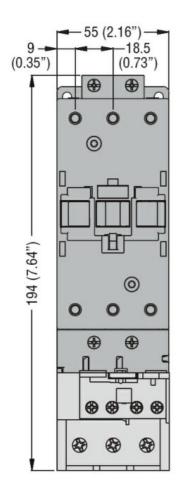


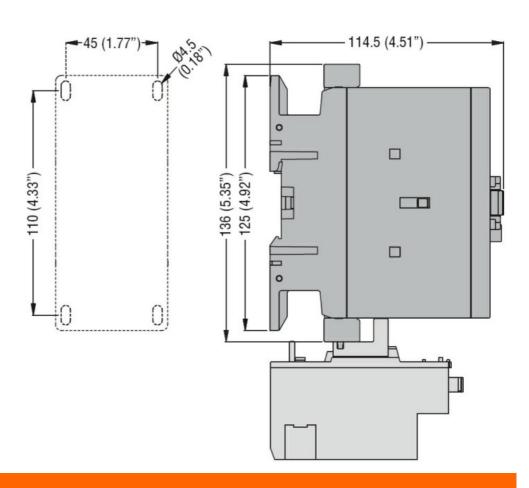
Average coil consu	mption <20°C				
Average con consu	mpuon ≤20 C		in-rush	W	2368
			holding	W	1.21,9
Max cycles frequen	CV		Helaling	•••	1.21,0
Mechanical operation				cycles/h	3600
Operating times				,	
Average time for Us	s control				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
	in DC				
		Closing NO			
			min	ms	40
		0. 1. 110	max	ms	85
		Opening NO		,	20
			min	ms	20
UL technical data			max	ms	55
	_A) for three-phase A(motor			
ruii-ioau cuitetii (Fi	_A) for tillee-phase At	J IIIO(O)	at 480V	Α	77
			at 600V	A	77
Yielded mechanical	norformanco		at 000 v		11
rielded mechanical	for three-phase A	C motor			
	ioi tilico pilaso A	io motor	200/208V	HP	25
			220/230V	HP	30
			460/480V	HP	60
			575/600V	HP	75
General USE					
	Contactor				
			AC current	Α	115
Short-circuit protect	ion fuse, 600V				
,	High fault				
	-		Short circuit current	kA	100
			Fuse rating	Α	200
			Fuse class		J
	Standard fault				
			Short circuit current	kA	10
			Fuse rating	Α	200
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temper	ature			
			min	°C	-50
			max	°C	70
	Storage temperat	rure		2.5	
			min	°C	-60
NA 100 - 1			max	°C	80
Max altitude	.\1			m	3000
Dimensions [mm (in	IJ <u></u>				

60...110VAC/DC

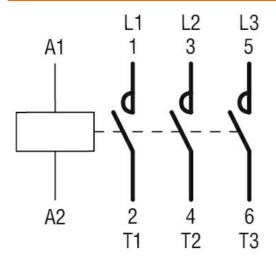


ENERGY AND AUTOMATION





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 94A, AC/DC COIL, 60...110VAC/DC

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching





≤24V A 77 48V A 66 66 75V A 66 66 110V A 8 220V A − IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 110 48V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 48V A 110 48V A 110 48V A 110 48V A 110 75V A 110 110V A 93 220V A 95 95 40 40 40 40 40 40 40 4				
Product type designation	Product designation			Power contactor
Number of poles				
Number of poles				
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 A 115 Operational current Ie AC-1 (≤40°C) A 115 AC-1 (≤55°C) A 95 AC-1 (≤70°C) A 80 AC-3 (≤440V ≤55°C) A 95 AC-4 (400V) A 45 Rated operational power AC-3 (T≤55°C) 230V kW 230V kW 55 440V kW 55 440V kW 55 440V kW 55 500V kW 55 690V kW 55 1000V kW 37 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 77 48V A 66 110V A 8 220V A 90 220V A 90 220V A 90 220V <td></td> <td></td> <td>Nr.</td> <td>3</td>			Nr.	3
Rated impulse withstand voltage Uimp				
Operational frequency min max Mz Mz Mz Hz Mz Mz 400 Mz IEC Conventional free air thermal current lth A 115 Operational current le AC-1 (≤40°C) A 115 AC-1 (≤55°C) A 95 AC-1 (≤55°C) A 95 AC-3 (≤440V ≤55°C) A 95 AC-4 (400V) A 45 Rated operational power AC-3 (T≤55°C) 230V kW 30 400V kW 55 440V kW 55 4415V kW 55 440V kW 55 500V kW 55 690V kW 55 500V kW 55 690V kW 55				
Min Hz 25 max Hz 400 EC Conventional free air thermal current lth				-
EC Conventional free air thermal current lith	-1	min	Hz	25
EC Conventional free air thermal current lth Operational current le				
Operational current le AC-1 (≤40°C) A 115 AC-1 (≤55°C) A 95 AC-1 (≤55°C) A 80 AC-3 (≤440V ≤55°C) A 95 AC-4 (400V) A 45 Rated operational power AC-3 (T≤55°C) 230V kW 30 400V kW 55 415V kW 55 440V kW 55 500V kW 55 690V kW 55 1000V kW 37 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 77 48V A 66 75V A 66 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 48V A 110 75V A 110 48V A 110 75V A 110 48V A 110 75V A 110 110V A 93 220V A 95 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	IEC Conventional free air thermal current Ith			
AC-1 (≤40°C)				
AC-1 (≤55°C)		AC-1 (≤40°C)	Α	115
AC-1 (≤70°C) A 80 AC-3 (≤440V ≤55°C) A 95 AC-4 (400V) A 45 Rated operational power AC-3 (T≤55°C) 230V kW 30 400V kW 55 415V kW 55 4410V kW 55 500V kW 55 690V kW 55 690V kW 55 1000V kW 37 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 77 48V A 66 75V A 66 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 110 48V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 75V A 93 220V A 95 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
AC-3 (≤440V ≤55°C) A 95 AC-4 (400V) A 45 Rated operational power AC-3 (T≤55°C) 230V kW 30 400V kW 55 415V kW 55 415V kW 55 500V kW 55 500V kW 55 690V kW 55 690V kW 55 1000V kW 37 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 77 48V A 66 75V A 66 110V A 8 220V A − IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 110 48V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 75V A 93 220V A 95 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
AC-4 (400V)				
Rated operational power AC-3 (T≤55°C) 230V kW 30 400V kW 55 415V kW 55 446V kW 55 500V kW 55 690V kW 55 1000V kW 37 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 77 48V A 66 75V A 66 110V A 8 220V A − IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 110 48V A 110 75V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 110V A 90 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 110 110V A 93 220V A 95 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		,		
230V kW 30	Rated operational power AC-3 (T≤55°C)	- ()		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		230V	kW	30
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		400V	kW	
440V kW 55 500V kW 55 690V kW 55 690V kW 55 690V kW 37				
S00V kW 55 690V kW 55 1000V kW 37		440V	kW	
1000V kW 37		500V	kW	
Section Sec		690V	kW	
		1000V	kW	37
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
T5V A 66 110V A 8 220V A −		≤24V	Α	77
110V A 8 220V A −		48V	Α	66
EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V		75V	Α	66
Section Sec		110V	Α	8
		220V	Α	_
	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
T5V A 110 110V A 90 220V A 9		≤24V	Α	110
110V A 90 220V A 9		48V	Α	110
EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 110 48V A 110 75V A 110 110V A 93 220V A 95 EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 115 115		75V	Α	110
Section Sec		110V	Α	90
		220V	Α	9
48V A 110 75V A 110 110V A 93 220V A 95	IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
		≤24V	Α	110
			Α	110
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 115				
≤24V A 115		220V	Α	95
	IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
48V A 115				
		48V	Α	115



	75V	Α	115
	110V	Α	110
	220V	Α	115
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	45
	48V	Α	33
	75V	Α	33
	110V	Α	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	65
	48V	Α	55
	75V	Α	55
	110V	Α	43
	220V	Α	5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	86
	48V	A	75
	75V	Α	75
	110V	Α	64
	220V	Α	64
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			<u> </u>
TEO MAX GAMERA TO IN 200 200 WAT EAR 2 TO THE WAT I PORCE IN GOING	≤24V	Α	96
	48V	Α	95
	75V	A	95
	110V	A	80
	220V	Α	80
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	640
Protection fuse			040
Tiotection ruse	gG (IEC)	Α	125
	aM (IEC)	A	100
Making capacity (RMS value)	aivi (ILC)		950
		^	930
Breaking capacity at voltage	440\/	۸	640
	440V	A	640
	500V	A	625
Desistance records (successive)	690V	A	456
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)	1.1		
	Ith	W	7.9
	AC3	W	5.4
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	min	lbin	3
	max	Ibin	3.7
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			

Flexible w/o lug conductor section



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 94A, AC/DC COIL, 100...250VAC/DC

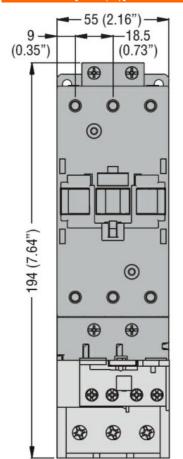
		min	mm²	1.5
		max	mm²	35
	tion according to IEC/EN 60529			IP20
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1100000
Safety related data				
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating	-/			
Rated AC voltage at 50	U/60Hz, 60Hz			400
		min	V	100
D / 140 II / 5	0/0011	max	V	250
Rated AC voltage at 5	0/60Hz		V	230
AC operating voltage	(50/0011			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80 Us min
		min	%Us	110 Us max
	drap out	max	70US	110 05 max
	drop-out	min	%Us	20
		max	%Us	≤70 Us min
	of 50/60Hz coil powered at 60Hz	Пих	7000	=7 0 00 Hilli
	pick-up			
	ριοίς αρ	min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
	·	min	%Us	40
		max	%Us	≤70 Us min
AC average coil consu	ımption at 20°C			
-	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	35120
		holding	VA	1.53.7
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	35120
		holding	VA	1.53.7
Dissipation at holding	≤20°C 50Hz		W	12.5
DC coil operating				
DC rated control voltage	ge			
		min	V	100
		max	V	250
DC rated control voltage	ge		V	230
DC operating voltage				
	pick-up		0	
		min	%Us	80 Us min
		max	%Us	110 Us max

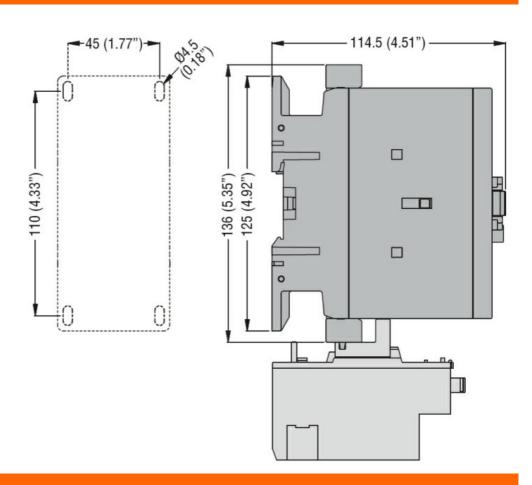


	drop-out				
Average coil consump	ntion <20°C		max	%Us	≤70 Us min
Average con consump	ption ≤20 C		in-rush	W	2368
			holding	W	1.21,9
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times Average time for Us of	control				
Average time for Us C	in AC				
	111710	Closing NO			
		Ŭ	min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
	in DC	Clasina NO			
		Closing NO	min	ma	40
			min max	ms ms	85
		Opening NO	IIIAX	1113	00
		oponing i to	min	ms	20
			max	ms	55
UL technical data					
Full-load current (FLA	(a) for three-phase AC	motor			
			at 480V	Α	77
			at 600V	Α	77
Yielded mechanical p		S (
	for three-phase AC	motor	200/2001	LID	25
			200/208V 220/230V	HP HP	25 30
			460/480V	HP	60
			575/600V	HP	75
General USE					
	Contactor				
			AC current	Α	115
Short-circuit protectio	n fuse, 600V				
	High fault				
			Short circuit current	kA	100
			Fuse rating	Α	200
	Standard fault		Fuse class		J
	Standard fault		Short circuit current	kA	10
			Fuse rating	KA A	200
			Fuse class	, ,	RK5
Ambient conditions					
Temperature					
	Operating tempera	ature			
	-		min	°C	-50
			max	°C	70
	Storage temperatu	ıre			
			min	°C	-60
Marcaltiturala			max	°C	80
Max altitude				m	3000

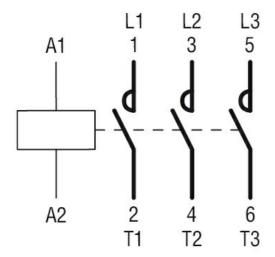


Dimensions [mm (in)]





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

5/6



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 94A, AC/DC COIL, 100...250VAC/DC

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching