



Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Operational current Ie	min max AC-1 (≤40°C) AC-1 (≤55°C)	nr. V kV Hz Hz	4 690 6 25 400 45
Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Operational current Ie	max AC-1 (≤40°C)	V kV Hz Hz A	690 6 25 400
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Operational current le	max AC-1 (≤40°C)	V kV Hz Hz A	690 6 25 400
Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Operational current le	max AC-1 (≤40°C)	kV Hz Hz A	6 25 400
Operational frequency IEC Conventional free air thermal current Ith Operational current le	max AC-1 (≤40°C)	Hz Hz A	25 400
IEC Conventional free air thermal current Ith Operational current le	max AC-1 (≤40°C)	Hz A	400
Operational current le	max AC-1 (≤40°C)	Hz A	400
Operational current le	AC-1 (≤40°C)	Α	
Operational current le			
		٨	
		Α	45
		Α	36
	AC-1 (≤70°C)	Α	32
	AC-3 (≤440V ≤55°C)	Α	26
	AC-4 (400V)	Α	11.5
Rated operational power AC-1 (T≤40°C)			
(230V	kW	17
	400V	kW	30
	500V	kW	37
	690V	kW	51
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
·	≤24V	Α	25
	48V	Α	21
	75V	Α	18
	110V	Α	6
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
· ·	≤24V	Α	28
	48V	Α	28
	75V	Α	25
	110V	Α	22
	220V	Α	2
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
·	≤24V	Α	28
	48V	Α	28
	75V	Α	25
	110V	Α	24
	220V	Α	20
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	28
	48V	Α	28
	75V	Α	25
	110V	Α	24
	220V	Α	26



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	18
	48V	Α	15
	75V	Α	13
	110V	Α	2
	220V	Α	_
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	≤24V	Α	20
	48V	Α	20
	75V	Α	18
	110V	Α	13
	220V	Α	3
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
·	≤24V	Α	25
	48V	Α	25
	75V	Α	20
	110V	A	18
	220V	A	19
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V		19
in the max current le in 200-200 with Ent 2 10ms with 4 poles in series	≤24V	Α	30
	48V		30
		A	
	75V	A	25
	110V	A	20
	220V	Α	15
Short-time allowable current for 10s (IEC/EN60947-1)		Α	210
Protection fuse			
	gG (IEC)	Α	50
	aM (IEC)	A	32
Making capacity (RMS value)		Α	260
Breaking capacity at voltage			
	440V	Α	208
	500V	Α	184
	690V	Α	168
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	1.1	W	4
	Ith		
	AC3	W	1.4
Tightening torque for terminals			1.4
Tightening torque for terminals			2.5
Tightening torque for terminals	AC3	W	
Tightening torque for terminals	AC3	W Nm	2.5
Tightening torque for terminals	AC3 min max	W Nm Nm Ibin	2.5 3 1.8
	AC3 min max min	W Nm Nm	2.5 3
	Min max min max	Nm Nm Ibin Ibin	2.5 3 1.8 2.2
	AC3 min max min max	W Nm Nm Ibin Ibin	2.5 3 1.8 2.2
	min max min max min max	Nm Nm Ibin Ibin Nm Nm	2.5 3 1.8 2.2
	min max min max min max min max min	Nm Nm Ibin Ibin Nm Nm Ibft	2.5 3 1.8 2.2 0.8 1 0.8
Tightening torque for coil terminal	min max min max min max	Nm Nm Ibin Ibin Nm Nm Ibft Ibft	2.5 3 1.8 2.2 0.8 1 0.8 0.74
Tightening torque for coil terminal Max number of wires simultaneously connectable	min max min max min max min max min	Nm Nm Ibin Ibin Nm Nm Ibft	2.5 3 1.8 2.2 0.8 1 0.8
Tightening torque for coil terminal Max number of wires simultaneously connectable Conductor section	min max min max min max min max min	Nm Nm Ibin Ibin Nm Nm Ibft Ibft	2.5 3 1.8 2.2 0.8 1 0.8 0.74
Tightening torque for terminals Tightening torque for coil terminal Max number of wires simultaneously connectable Conductor section Flexible w/o lug conductor section	min max min max min max min max min max	Nm Nm Ibin Ibin Nm Nm Ibft Ibft nr.	2.5 3 1.8 2.2 0.8 1 0.8 0.74
Tightening torque for coil terminal Max number of wires simultaneously connectable Conductor section	min max min max min max min max min	Nm Nm Ibin Ibin Nm Nm Ibft Ibft	2.5 3 1.8 2.2 0.8 1 0.8 0.74



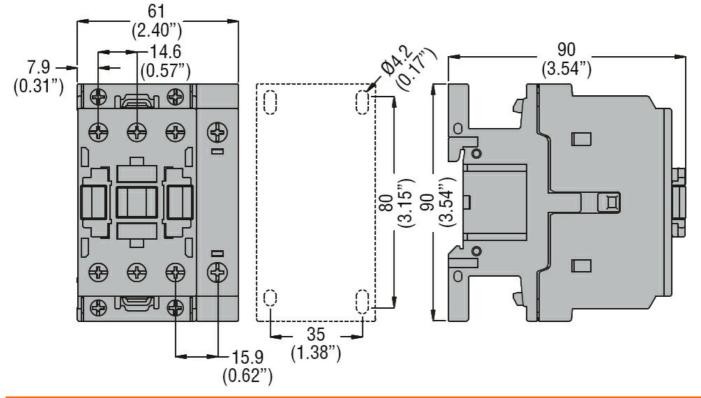
min mm² 1 max mm² 10 Flexible with insulated spade lug conductor section min mm² 1 max mm² 10 Power terminal protection according to IEC/EN 60529 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30°
Flexible with insulated spade lug conductor section min mm² 1 max mm² 10 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal allowable ±30°
min mm² 1 max mm² 10 Power terminal protection according to IEC/EN 60529 IP20 when wired Mechanical features Operating position normal vertical plan allowable ±30°
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan allowable ±30°
Mechanical features Operating position normal Vertical plan allowable ±30°
Operating position normal Vertical plan allowable ±30°
normal Vertical plan allowable ±30°
allowable ±30°
Coross / DIN roil
Fixing Screw / DIN rail 35mm
Weight g 507
Operations
Mechanical life cycles 20000000
Electrical life cycles 1600000
Safety related data
Performance level B10d according to EN/ISO 13489-1
rated load cycles 1600000
mechanical load cycles 20000000
Mirror contats according to IEC/EN 609474-4-1 yes
EMC compatibility yes
AC coil operating Rated AC voltage at 50/60Hz V 230
AC operating voltage
of 50/60Hz coil powered at 50Hz
pick-up
max %Us 110
drop-out
min %Us 20
max %Us 55
of 50/60Hz coil powered at 60Hz
pick-up
min %Us 85
max %Us 110
drop-out
min %Us 20
max %Us 55
AC operating voltage at 20°C
of 50/60Hz coil powered at 50Hz
in-rush VA 75
of 50/60Hz coil powered at 60Hz
of 50/60Hz coil powered at 60Hz in-rush VA 70
holding VA 6.5
of 60Hz coil powered at 60Hz
in-rush VA 75
holding VA 9
Dissipation at holding ≤20°C 50Hz W 2.5
Max cycles frequency
Mechanical operation cycles/h 3600
Operating times
Average time for Us control



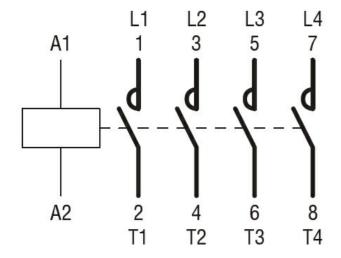
	Closing NO			
	5.559	min	ms	8
		max	ms	24
	Opening NO			
	Spanning	min	ms	5
		max	ms	15
	Closing NC	max		
	Clouding 110	min	ms	9
		max	ms	20
	Opening NC	max	1113	20
	Opening NO	min	ms	9
		max	ms	17
UL technical data		IIIdx	1115	17
	for three phase AC mater			
rull-load current (FLA)) for three-phase AC motor	-4 400\/	^	24
		at 480V	A	21
		at 600V	A	22
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	2
		230V	HP	5
	for three-phase AC motor			
		200/208V	HP	7.5
		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	20
General USE				
	Contactor			
		AC current	Α	45
Ambient conditions				
Temperature				
la	Operating temperature			
	epotaming tomporature	min	°C	-50
		max	°C	70
	Storage temperature	HIGA		
	Storage temperature	min	°C	-60
		max	°C	80
Max altitude		IIIdX		3000
	20		m	3000
Resistance & Protection	רוט			
Pollution degree				3
Dimensions				

ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 50/60HZ, 230VAC



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



BF26T4A230

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 50/60HZ, 230VAC

ETIM 8.0

EC000066 -Power contactor, AC switching