



Product designation			Power contactor
Product type designation			B115
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	160
Operational current le			
	AC-1 (≤40°C)	Α	160
	AC-1 (≤55°C)	Α	150
	AC-1 (≤70°C)	Α	110
	AC-3 (≤440V ≤55°C)	Α	110
	AC-4 (400V)	Α	47
Rated operational power AC-3 (T≤55°C)			
	400V	kW	61
Rated operational power AC-1 (T≤40°C)			
	230V	kW	57
	400V	kW	98
	500V	kW	129
	690V	kW	173
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	160
	110V	Α	100
	220V	Α	_
	330V	Α	_
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	160
	110V	Α	130
	220V	Α	100
	330V	Α	_
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	160
	110V	Α	130
	220V	Α	130
	330V	Α	100
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	75V	Α	160
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	75V 110V 220V	A A A	160 130 130



	330V	Α	130
	460V	Α	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
'	75V	Α	140
	110V	Α	70
	220V	Α	_
	330V	Α	_
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series		,,	
120 max current to in 200 200 mar 2/11 = 10me mar 2 perso in contac	75V	Α	140
	110V	A	100
	220V	A	80
	330V	A	_
	460V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	400 V		
TEC max current le in DC3-DC3 with L/K \(\) Toms with 3 poles in series	75\/	۸	140
	75V	A	140
	110V	A	120
	220V	A	100
	330V	A	80
	460V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	140
	110V	Α	120
	220V	Α	120
	330V	Α	120
	460V	Α	80
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1100
Protection fuse			
	gG (IEC)	Α	200
	aM (IEC)	Α	125
Making capacity (RMS value)		Α	1300
Breaking capacity at voltage			
	440V	Α	1300
	500V	Α	1100
	690V	Α	880
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)			
	lth	W	7.7
	AC-3	W	4
Tightening torque for terminals	7.00		· · · · · · · · · · · · · · · · · · ·
gsrg torquo for torrimitato	min	Nm	10
	max	Nm	10
	min	Ibin	7.4
		lbin	7.4 7.4
May number of wires simultaneously segmentable	max	Nr.	2
Max number of wires simultaneously connectable Conductor section		INI.	
AWG/Kcmil			0/0
	max		2/0
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°



Fixing			Screw
Weight		g	5290
Conductor section			
AWG/kcmil conductor section	***		2/0
Operations	max		2/0
Mechanical life		cycles	10000000
Electrical life		cycles	11000000
Safety related data		Oyolos	1100000
Performance level B10d according to EN/ISO 13489-1			
3	rated load	cycles	1100000
	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	380
	max	V	415
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11	
	min	%Us	80
draw and	max	%Us	110
drop-out	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz	IIIdA	/003	00
pick-up			
prom up	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out		0/116	20
	min	%Us %Us	20 60
AC average coil consumption at 20°C	max	/005	00
of 50/60Hz coil powered at 50Hz			
01 30/00112 0011 powered at 30112	in-rush	VA	300
	holding	VA	10
of 50/60Hz coil powered at 60Hz		•	-
5. 55. 55. <u>55. 65. 65. 65. 65. 65. 65. 65. 65. 65. </u>	in-rush	VA	300
	holding	VA	10
Dissipation at holding ≤20°C 50Hz		W	10
DC coil operating			
DC rated control voltage			
	min	V V	380 415



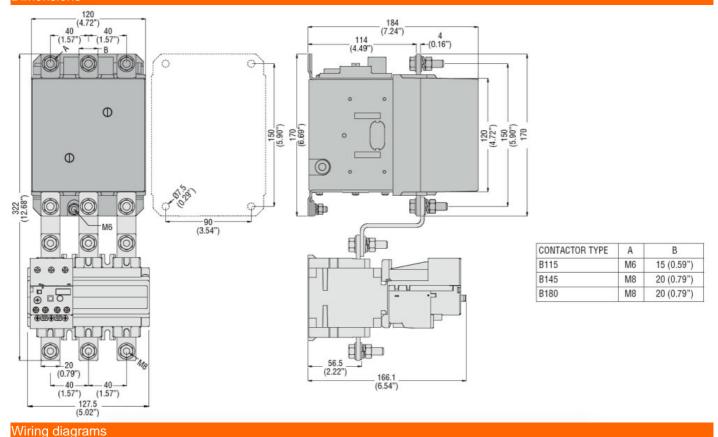
	pick-up			0/11	
			min	%Us	80
			max	%Us	110
	drop-out				
			min	%Us	20
-			max	%Us	60
Average coil consump	tion ≤20°C				
			in-rush	W	300
			holding	W	10
Max cycles frequency					
Mechanical operation				cycles/h	2400
Operating times					
Average time for Us co	ontrol				
	in AC				
	Clos	sing NO			
			min	ms	60
			max	ms	100
	Ope	ning NO			
	-1-	<u> </u>	min	ms	25
			max	ms	60
	in DC				
		sing NO			
	0.00	g	min	ms	60
			max	ms	100
	One	ning NO	max	1110	100
	Ορο	illing i VO	min	ms	25
			max	ms	60
			max	1110	00
III technical data					
UL technical data Full-load current (FLA)	for three-phase AC motor				
	for three-phase AC motor		at 480V	Δ	96
	for three-phase AC motor		at 480V	Α Δ	96
Full-load current (FLA)	·		at 480V at 600V	A A	96 99
	rformance				
Full-load current (FLA)	·		at 600V	А	99
Full-load current (FLA)	rformance		at 600V 200/208V	A HP	30
Full-load current (FLA)	rformance		at 600V 200/208V 220/230V	A HP HP	30 40
Full-load current (FLA) Yielded mechanical pe	rformance		at 600V 200/208V	A HP	30
Full-load current (FLA)	rformance for three-phase AC motor		at 600V 200/208V 220/230V	A HP HP	30 40
Full-load current (FLA) Yielded mechanical pe	rformance		at 600V 200/208V 220/230V 575/600V	HP HP HP	30 40 100
Full-load current (FLA) Yielded mechanical pe	rformance for three-phase AC motor Contactor		at 600V 200/208V 220/230V	A HP HP	30 40
Full-load current (FLA) Yielded mechanical pe	rformance for three-phase AC motor Contactor fuse, 600V		at 600V 200/208V 220/230V 575/600V	HP HP HP	30 40 100
Full-load current (FLA) Yielded mechanical pe	rformance for three-phase AC motor Contactor		at 600V 200/208V 220/230V 575/600V AC current	HP HP HP	99 30 40 100
Full-load current (FLA) Yielded mechanical pe	rformance for three-phase AC motor Contactor fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current	HP HP HP	99 30 40 100 160
Full-load current (FLA) Yielded mechanical pe	rformance for three-phase AC motor Contactor fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating	HP HP HP	99 30 40 100 160 5 500
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection	rformance for three-phase AC motor Contactor fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current	HP HP HP	99 30 40 100 160
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating	HP HP HP	99 30 40 100 160 5 500
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection	rformance for three-phase AC motor Contactor fuse, 600V Standard fault		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating	HP HP HP	99 30 40 100 160 5 500
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating Fuse class	A HP HP HP A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V Standard fault		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating	A HP HP HP A kA A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V Standard fault		at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating Fuse class	A HP HP HP A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V Standard fault		at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min	A HP HP HP A kA A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V Standard fault Operating temperature		at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min	A HP HP HP A kA A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V Standard fault Operating temperature		at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min max	A HP HP HP A kA A	30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical pe General USE Short-circuit protection Ambient conditions	rformance for three-phase AC motor Contactor fuse, 600V Standard fault Operating temperature Storage temperature		at 600V 200/208V 220/230V 575/600V AC current Fuse rating Fuse class min max	A HP HP HP A kA A °C °C °C	30 40 100 160 5 500 RK5 -50 70



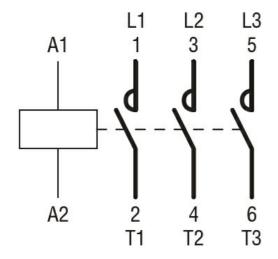
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, 380...415VAC/DC **ENERGY AND AUTOMATION**

Pollution degree 3

Dimensions



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