

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH 110...125VAC

ENERGY AND AUTOMATION



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		·	
	75V	Α	160
	110V	Α	130
	220V	Α	130

Lovato

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

110...125VAC

	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			
μ	75V	Α	140
	110V	Α	100
	220V	Α	80
	330V	Α	_
	460V	Α	_
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 E/N 3 13ms with 3 poles in series	75V	Α	140
	110V	A	120
	220V	A	100
	330V	A	80
150 DOS DOS 111 L/D 4.45 111 4 1 1 1 1	460V	Α	_
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	A	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)			
,	Ith	W	7.7
	AC-3	W	4
Tightening torque for terminals			•
Tighterming terique for terminate	min	Nm	10
	max	Nm	10
	min	Ibin	7.4
	max	Ibin	7.4
Max number of wires simultaneously connectable	Пах	Nr.	2
Conductor section		INI.	
AWG/Kcmil			2/0
De contracte de contracte de la CONTRACTE DE	max		2/0
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°

Lovato

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION

110...125VAC

Fixing				Screw
Weight			g	5950
Conductor section				
	AWG/kcmil conductor section			0.10
Operations		max		2/0
Operations Mechanical life			cycles	10000000
Electrical life			cycles	1100000
Safety related data			oy oloo	1100000
	d according to EN/ISO 13489-1			
	-	rated load	cycles	1100000
		mechanical load	cycles	10000000
	g to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/	/60Hz, 60Hz			
		min	V	110
AC operating voltage		max	V	125
AC operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	plok up	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11	
		min	%Us	80
	drop-out	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			
		min	%Us	20
AC averes asil sers	nation at 20°C	max	%Us	60
AC average coil consun	of 50/60Hz coil powered at 50Hz			
	of 30/00112 coll powered at 30Hz	in-rush	VA	300
		holding	VA	10
	of 50/60Hz coil powered at 60Hz	9		
	,	in-rush	VA	300
		holding	VA	10
Dissipation at holding ≤	20°C 50Hz		W	10
DC coil operating				
DC rated control voltage	e		_	
		min	V	110
DC operating voltage		max	V	125



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

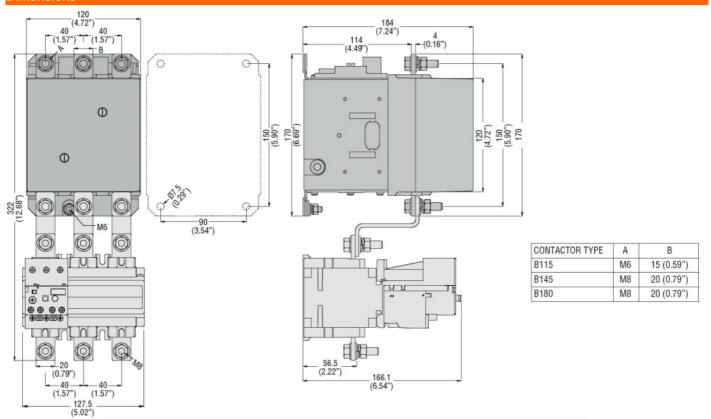
ENERGY AND AUTOMATION 110...125VAC/DC, WILDTIANTOAL EATON (0495), TO...125VAC/DC, WILDTIANTOAL EATON (0495), WILDTIANTOAL (0495), WILDTIANTOA

	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			
	Closing	NO		
	2.229	min	ms	60
		max	ms	100
	Opening		1110	100
	Operiini	min	me	25
			ms	
		max	ms	60
	in DC			
	Closing			
		min	ms	60
		max	ms	100
	Opening	, NO		
		min	ms	25
		max	ms	60
UL technical data				
	for three-phase AC motor			
	for three-phase AC motor	at 480V	A	96
	for three-phase AC motor	at 480V at 600V	A A	96 99
Full-load current (FLA)		at 480V at 600V	A A	96 99
	rformance			
Full-load current (FLA)		at 600V	A	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)	erformance 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	A 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	at 600V 200/208V 220/230V 575/600V	A 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	A HP HP HP	30 40 100
Full-load current (FLA) Yielded mechanical pe	rformance for three-phase AC motor Contactor fuse, 600V	200/208V 220/230V 575/600V AC current	A 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
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 per 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
Yielded mechanical pe	crformance 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 per 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 A kA A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical per General USE Short-circuit protection Ambient conditions	crformance 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 min	A HP HP HP A kA A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical per General USE Short-circuit protection Ambient conditions	crformance for three-phase AC motor Contactor fuse, 600V Standard fault Operating temperature	at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating Fuse class	A HP HP A kA A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical per General USE Short-circuit protection Ambient conditions	crformance 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 min max	A HP HP HP A kA A	99 30 40 100 160 5 500 RK5
Full-load current (FLA) Yielded mechanical per General USE Short-circuit protection Ambient conditions	crformance for three-phase AC motor Contactor fuse, 600V Standard fault Operating temperature	at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min	A HP HP HP A kA A °C °C °C	99 30 40 100 160 5 500 RK5 -50 70
Full-load current (FLA) Yielded mechanical per General USE Short-circuit protection Ambient conditions Temperature	crformance for three-phase AC motor Contactor fuse, 600V Standard fault Operating temperature	at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min max	A HP HP HP A kA A	99 30 40 100 160 5 500 RK5 -50 70 -60 80
Full-load current (FLA) Yielded mechanical per General USE Short-circuit protection Ambient conditions	Contactor fuse, 600V Standard fault Operating temperature Storage temperature	at 600V 200/208V 220/230V 575/600V AC current Short circuit current Fuse rating Fuse class min max min	A HP HP HP A kA A °C °C °C	99 30 40 100 160 5 500 RK5 -50 70

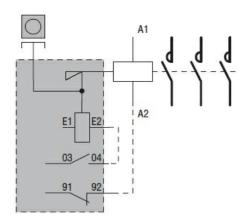
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH 110...125VAC **ENERGY AND AUTOMATION**

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

TIM classification



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION 110...125VAC

ETIM 8.0

EC000066 -Power contactor, AC switching