THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 380...415VAC/DC, MECHANICAL LATCH 48VAC

ENERGY AND AUTOMATION



Product type designation Series	actor
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 A 160 Operational current Ie AC-1 (≤40°C) A 150 AC-1 (≤75°C) A 110 AC-3 (≤40°C) A 110 AC-3 (≤440°C) A 110 AC-3 (≤440°C) A 110 AC-3 (≤440°C) A 110 AC-4 (4000°C) AC-1 (≤75°C) Rated operational power AC-3 (T≤55°C) 4000 kW 57 AC-4 (400°C) AC-4 (400	
Rated impulse withstand voltage Uimp V 1000 Rated impulse withstand voltage Uimp kV 8 Operational frequency min had held to make the man with the man had to make the man with the man had to make the man ha	
Rated impulse withstand voltage Uimp Rated voltage Uimp Rated impulse withstand voltage Uimp Rated voltage U	
Operational frequency min max Hz hz hz 25 max Hz hz 400 IEC Conventional free air thermal current Ith A 160 A 160 Operational current Ie AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 150 AC-1 (≤55°C) A 110 AC-3 (≤440V ≤55°C) A 110 AC-3 (≤440V ≤55°C) A 110 AC-4 (400V) A 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 Ie in DC1 with L/R ≤ 1ms with 1 poles in series 75V A 160 110V A 100 220V A - 330V A - 460V A - 410V A 100 A 130 A 130 A 100 A 130 A 100 A 130 A 130 A 100 A 100 A 130 A 100 A 130 A 100 A 130 A 100 A 100 A 130 A 100 A 10	
Min min max	
EC Conventional free air thermal current Ith	
EC Conventional free air thermal current lth	
AC-1 (≤40°C)	
AC-1 (≤40°C)	
AC-1 (≤55°C)	
AC-1 (≤70°C)	
AC-3 (≤440V ≤55°C)	
AC-4 (400V) A 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 A 160 110V A - 330V A - 460V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 160 110V A 130 220V A 100 330V A - 460V A -	
Rated operational power AC-1 (T≤40°C) 230V kW 57 400V kW 98 500V kW 129 690V kW 173 173 185 1	
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 A 160 110V A 100 220V A - 330V A - 460V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 160 110V A 100 220V A - 460V A - 460V A 130 220V A 100 330V A - 460V A -	
A00V kW 98 500V kW 129 690V kW 173 125 175 126 175 127 1	
EC max current le in DC1 with L/R \leq 1ms with 1 poles in series 75V A 160 110V A 100 220V A - 330V A - 460V A 130 220V A 130 110V A 130 220V A 130 220V A 130 220V A 100 330V A - 460V A - 460V A - 460V A - 460V A 460V 40V 40	
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 75V	
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
EC max current le in DC1 with L/R \leq 1ms with 2 poles in series 75V A 160 110V A 130 220V A 100 330V A - 460V A - 46	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 75V A 160 110V A 130 220V A 100 330V A - 460V A -	
75V A 160 110V A 130 220V A 100 330V A – 460V A –	
110V A 130 220V A 100 330V A – 460V A –	
220V A 100 330V A – 460V A –	
330V A – 460V A –	
460V A -	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	
75V A 160	
110V A 130	
220V A 130	
330V A 100	
460V A -	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	
75V A 160	
110V A 130	
220V A 130	

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ENERGY AND AUTOMATION 48VAC

	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			
	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			
·	75V	Α	140
	110V	Α	120
	220V	Α	100
	330V	Α	80
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
120 max sament is in 200 200 mai 2m = rome mai i polos in sonos	75V	Α	140
	110V	Α	120
	220V	Α	120
	330V	Α	120
	460V	A	80
Short-time allowable current for 10s (IEC/EN60947-1)	100 (1100
Protection fuse			1100
1 Totalion Tuse	gG (IEC)	Α	200
	aM (IEC)	A	125
Making capacity (RMS value)	aivi (ILO)	A	1300
Breaking capacity at voltage			1300
breaking capacity at voltage	440V	Α	1300
	500V	A	1100
Desistance manufacture and the control of the contr	690V	A	880
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)	1.1		
	Ith	W	7.7
	AC-3	W	4
Tightening torque for terminals			
	min	Nm	10
	max	Nm	10
	min	Ibin	7.4
	max	Ibin	7.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2/0
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Mechanical features Operating position	normal		Vertical plan

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ENERGY AND AUTOMATION 48VAC

Fixing				Screw
Weight			g	6
Conductor section				
	AWG/kcmil conductor section			0.40
Operations		max		2/0
Operations Mechanical life			ovoloo	10000000
Electrical life			cycles cycles	11000000
Safety related data			Cycles	1100000
	d according to EN/ISO 13489-1			
		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
10		max	V	415
AC operating voltage	of 50/001 - asili as a see let 5011			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80
		max	%Us	110
	drop-out	max	7000	
	- 1	min	%Us	20
		max	%Us	60
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
	1	max	%Us	110
	drop-out	min	0/116	20
		min max	%Us %Us	20 60
	of 60Hz coil powered at 60Hz	Παλ	/003	00
	pick-up			
	pion up	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	60
AC average coil consun	•			
	of 50/60Hz coil powered at 50Hz		3.74	200
		in-rush	VA	300
	of 50/60Hz coil powered at 60Hz	holding	VA	10
	of 30/00112 coll powered at 60/12	in-rush	VA	300
		holding	VA	10
Dissipation at holding ≤2	20°C 50Hz		W	10
DC coil operating				
DC rated control voltage				
_		min	V	380
				415

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ENERGY AND AUTOMATION 48VAC

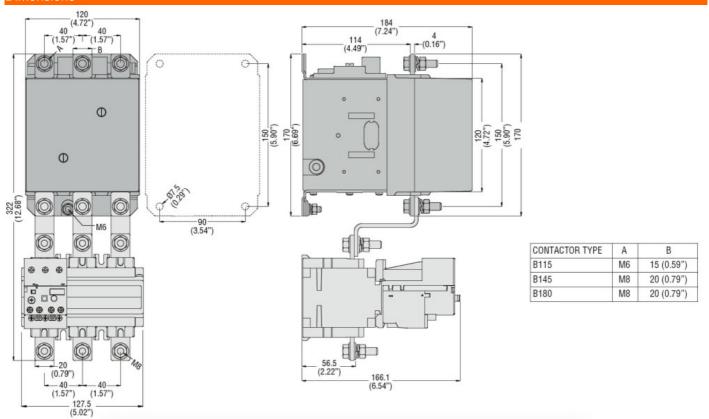
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11-	00
		min	%Us	20
Average sell consument	ion <20°C	max	%Us	60
Average coil consumpt	ion \$20 C	in runh	۱۸/	200
		in-rush	W W	300 10
Max cycles frequency		holding	VV	10
Mechanical operation			cycles/h	2400
Operating times			Oyoloo/11	2400
Average time for Us co	ntrol			
7 Wordgo amo for Go oo	in AC			
	Closing NO			
	2 2 3	min	ms	60
		max	ms	100
	Opening NO			
		min	ms	25
		max	ms	60
	in DC			
	Closing NO			
		min	ms	60
		max	ms	100
	Opening NO			
		min	ms	25
		max	ms	60
UL technical data	for the sound on the sound of			
Full-load current (FLA)	for three-phase AC motor	-1.4001/	Δ.	0.0
		at 480V	A	96
Violded machanical na	rformonoo	at 600V	Α	99
Yielded mechanical per				
	for three-phase AC motor	200/208V	HP	30
		220/230V	HP	40
		575/600V	HP	100
General USE		310,000 1		
23.13.4. 332	Contactor			
		AC current	Α	160
Short-circuit protection	fuse, 600V	2 233		
,	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	500
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protectio	n			



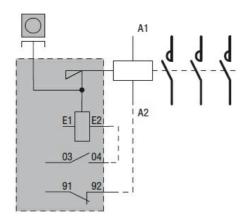
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, electric already fitted with Mechanical Latch (G495), 380...415VAC/DC, Mechanical Latch **ENERGY AND AUTOMATION** 48VAC

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

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ETIM 8.0

EC000066 -Power contactor, AC switching