THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1600A, AC COIL, 110...125VAC



Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN V Rated impulse withstand voltage Uimp	3 690 8
Number of poles Nr. Rated insulation voltage Ui IEC/EN V	690
Rated insulation voltage Ui IEC/EN V	690
<u> </u>	
Operational frequency	
min Hz	25
max Hz	400
IEC Conventional free air thermal current Ith A	1600
Operational current le	
AC-1 (≤40°C) A	1600
AC-1 (≤55°C) A	1360
AC-1 (≤70°C) A	1120
Rated operational power AC-1 (T≤40°C)	20
230V kW	550
400V kW	950
500V kW	1200
690V kW	1650
Short-time allowable current for 10s (IEC/EN60947-1) A	8300
Protection fuse	
gG (IEC) A	1600
Making capacity (RMS value)	6300
Breaking capacity at voltage	
440V A	6300
500V A	5600
690V A	5000
Resistance per pole (average value) $m\Omega$	7
Power dissipation per pole (average value)	•
Ith W	180
Tightening torque for terminals	100
min Nm	35
max Nm	35
min Ibin	25.8
max Ibin	25.8
Max number of wires simultaneously connectable Nr.	2
Power terminal protection according to IEC/EN 60529	IP00
Mechanical features	11 00
Operating position	
normal	Vertical plan
allowable	±30°
Fixing	Screw
Weight	4950
Auxiliary contact characteristics	T300
Thermal current Ith A	16

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IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			_
	230V	Α	3
	400V	Α	1.9
	500V	A	1.4
Operating current DC12			
	110V	Α	5.7
Operating current DC13			
	24V	Α	5.7
	48V	Α	2.9
	60V	A	2.3
	125V	Α	0.6
	220V	A	0.2
	600V	Α	1.2
Operations			500000
Mechanical life		cycles	5000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1		_	
	rated load	cycles	700000
	mechanical load	cycles	5000000
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	110
	max	V	125
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out		0/11	
	min	%Us	20
	max	%Us	60
of 50/60Hz coil powered at 60Hz			
pick-up		0///	00
	min	%Us	80
	max	%Us	110
drop-out		0/17	00
	min	%Us	20
-(0011	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up		0/11-	00
	min	%Us	80
1	max	%Us	110
drop-out		0/11-	00
	min	%Us	20
10 11 12 12 12 12 12 12 12 12 12 12 12 12	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	800
	holding	VA	45



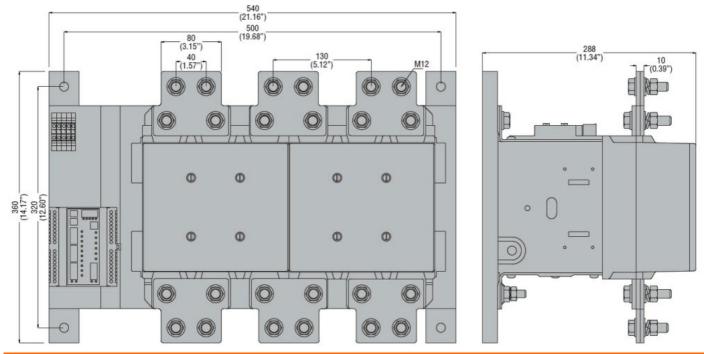


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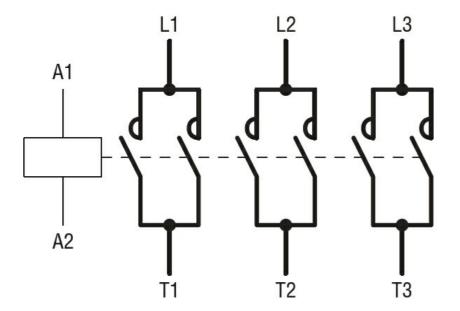
Dissipation at holding ≤20°C 50Hz W 40 min				in-rush	VA	800
DC rated control voltage				holding		
DC rated control voltage		20°C 50Hz			W	40
DC operating voltage pick-up pick-up min vultage v						
DC operating voltage pick-up pick-up	DC rated control voltag	e				
DC operating voltage pick-up min %Us 80				min		
Max cycles frequency				max	V	125
Max cycles frequency	DC operating voltage					
Max cycles frequency Mechanical operation cycles/h 1200 Operating times Closing NO min ms 300 max ms 450 Opening NO min ms 70 max ms 130 in DC Closing NO min ms 300 max ms 450 Opening NO min ms 70 max ms 450 UL technical data Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Min °C -50 max °C 60 Storage temperature min °C -50 Storage temperature min °C -60 Storage temperature min °C -60 Max altitude min °C -60 Resistance & Protection Pollution degree 3		pick-up				
Mechanical operation				min	%Us	80
Average time for Us control in AC						
Average time for Us control in AC Closing NO min ms 300 max ms 450 Opening NO min ms 70 max ms 130 In DC Closing NO min ms 300 max ms 450 Opening NO min ms 300 max ms 450 Opening NO min ms 300 max ms 450 Opening NO min ms 70 max ms 450 Opening NO UL technical data Contact rating of auxiliary contacts according to UL Ambient conditions Temperature Operating temperature Operating temperature Min °C -50 max °C 60 Storage temperature min °C -60 max °C 80 Max altitude Max altitude Max altitude Resistance & Protection Pollution degree					cycles/h	1200
in AC Closing NO min ms 300 max ms 450 Opening NO min ms 70 max ms 130 in DC Closing NO min ms 300 max ms 130 In DC Closing NO min ms 300 max ms 450 Opening NO min ms 300 max ms 450 Opening NO min ms 70 max ms 450 Opening NO In DC Opening NO In DC Opening NO In DC Opening NO In min ms 300 max ms 450 Opening NO In min ms 70 max ms 130 UL technical data Contact rating of auxiliary contacts according to UL Andour - P600 Ambient conditions Temperature Operating temperature Operating temperature In min °C -50 max °C 60 Storage temperature Min °C -60 max °C 80 Max altitude Max altitude Max altitude Pollution degree Follution degree						
Closing NO	Average time for Us co					
Opening NO		in AC	0			
Opening NO			Closing NO			
Opening NO						
Min				max	ms	450
Max			Opening NO			70
Closing NO						
Closing NO		· DO		max	ms	130
Min		in DC	Olasia a NO			
Max ms 450 Opening NO min ms 70 max ms 130 UL technical data Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Min °C -50 max °C 60 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3			Closing NO			200
Opening NO						
min ms 70 max ms 130			Opening NO	max	ms	450
Max max max ms 130			Opening NO	min	mo	70
UL technical data Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature min °C -50 max °C 60 Storage temperature min °C -60 max °C 80 Max altitude Resistance & Protection Pollution degree						
Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Min °C -50 max °C 60 Storage temperature min °C -60 Max altitude m 3000 Resistance & Protection Pollution degree 3	III technical data			IIIdA	1113	130
Ambient conditions Temperature		ary contacts according to	0.1.11			1600 - P600
Operating temperature		ary contacts according to	O OL			A000 - F 000
Operating temperature min max °C or -50 max -50 max -60 max <						
min min max °C -50 max -50 60 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3	remperature	Operating temperature	2			
Max °C 60 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3		Operating temperature	5	min	°C	-50
Storage temperature min max °C -60 max -60 max Max altitude m 3000 Resistance & Protection 3 Pollution degree 3						
min max°C -60 -60 maxMax altitudem 3000Resistance & ProtectionPollution degree3		Storage temperature		IIIdx		
Max altitudemax°C80Resistance & Protectionm3000Pollution degree3		Clorage temperature		min	°C.	-60
Max altitude m 3000 Resistance & Protection Pollution degree 3						
Resistance & Protection Pollution degree 3	Max altitude			max		
Pollution degree 3		n				
						3
	Dimensions					_

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1600A, AC COIL, 110...125VAC



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

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching