



Sample image

Datasheet

Article number: 70003444

Designation: CA10.A372.E

Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107							
Rated insulation voltage Ui							
			Voltage (V) AC / DC				
			690 50/60Hz/DC				
Rated impulse withstand voltage Uimp							
Voltage (kV)		Overvoltage category	Pollution degree	Supply system	Function		
6 III			3	Valid for lines with grounded common neutral termination	Switch		
4 III			3	Valid for lines with grounded common neutral termination	Switch disconnector		
Rated uninterrupted current Iu/Ith							
Current (A)		Ambient temperature (°C)	Peak temperature (°C) additional requirements				
20		55	60 Ambient temperature +55°C during 24 hours with peaks up to +60°C				
Rated operational current Ie							
Utilization category			Voltage (V)		Current (A)		
AC-15			220 - 240		6		
AC-15			380 - 440		4		
Rated operational power							
Utilization category		Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3		220 - 240	3	3	3		
AC-3		380 - 440	3	3	5,50		
AC-3		660 - 690	3	3	5,50		
AC-3		220 - 240	1	2	2,20		
AC-3		380 - 440	1	2	3		
AC-23A		220 - 240	3	3	3,70		
AC-23A		380 - 440	3	3	7,50		
AC-23A		660 - 690	3	3	7,50		
AC-23A		220 - 240	1	2	2,50		
AC-23A		380 - 440	1	2	3,70		
Max. Fuse rating IEC							
Fuse characteristic			No. of Fuses		Current (A)		
gG			1		25		
Tested AC and DC values							
Utilization category / Time constant		No. of contacts in series	Off or change-over switch	Voltage (V) AC / DC	Current (A)		
DC-13		1	ON - OFF	24 DC	3		
DC-13		1	ON - OFF	220 DC	0,15		
DC-21A		1	ON - OFF	24 DC	20		
DC-21A		1	ON - OFF	220 DC	0,90		
DC-23A		1	ON - OFF	24 DC	20		
DC-23A		1	ON - OFF	220 DC	0,20		
UL60947-4-1, UL508							
Nominal Voltage							
			Voltage (V) AC / DC				
			300 AC / DC				
Rated insulation voltage Ui							
			Voltage (V) AC / DC				
			300 AC				
Rated thermal current							
Current (A)			Ambient temperature (°C) Additional Text				
20			0 - 40 --				
Horsepower rating							
Across-the-Line Motor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
Reversing			110 - 120	1	2	0,17	40
Reversing			220 - 240	1	2	0,50	40
Reversing			277 - 277	1	2	0,60	40
Reversing			110 - 120	3	3	0,50	40
Reversing			220 - 240	3	3	1	40
DOL			110 - 120	1	2	0,50	40
DOL			220 - 240	1	2	1	40
DOL			277 - 277	1	2	2	40
DOL			110 - 120	3	3	1,50	40

Horsepower rating						
Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL		220 - 240	3	3	3	40
Pilot duty rating code						
Duty Code						
A300						
SCCR / Max. fuse rating						
Conditions of acceptability						
These devices are suitable for use on circuits capable of delivering not more than 5000 rms symmetrical amperes, 600V ac max. when protected by Class RK1 fuses. Manual Motor Controllers when intended for use as a motor disconnect are suitable for use on a circuit capable of delivering not more than 5000 rms symmetrical amperes, 600V ac max. when protected by 30A Class J time delay fuses.						
Temp. rating of wire						
Temperature rating (°C)			Current (A) Text			
60 - 75			– Use copper wire only			
Connecting instructions						
Markings						
When intended for use as a motor disconnect the device shall be provided with a method of being locked in the OFF-position.						
General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	300	20	1	2	1	
AC	300	20	3	3	1	
CSA						
Nominal Voltage						
			Voltage (V) AC / DC			
			300 AC			
Rated insulation voltage Ui						
			Voltage (V) AC / DC			
			300 AC			
Rated thermal current						
Current (A)			Ambient temperature (°C)		Additional Text	
20			0 - 40		–	
Horsepower rating						
Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL		110 - 120	1	2	0,50	40
DOL		220 - 240	1	2	1	40
DOL		277 - 277	1	2	2	40
DOL		110 - 120	3	3	1,50	40
DOL		220 - 240	3	3	3	40
Pilot duty rating code						
Duty Code						
A300						
Temp. rating of wire						
Temperature rating (°C)			Current (A) Text			
75			– only			
General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	300	20	1	1	1	
GENERAL TECHNICAL INFORMATION						
Size of conductor						
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)		Material of the wire	
Solid wire	Min.	1	0.5mm²		Copper	
Solid wire	Min.	2	0.5mm²		Copper	
Flexible wire	Min.	1	0.75mm²		Copper	
Flexible wire	Min.	2	0.75mm²		Copper	
Flexible wire	Max.	2	2.5mm²		Copper	
Flexible wire	Max.	2	AWG 14		Copper	
Single-core or stranded wire	Max.	2	AWG 12		Copper	
Single-core or stranded wire	Max.	2	2.5mm²		Copper	
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²		Copper	
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm²		Copper	
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²		Copper	
Stripping length						
					Length (mm) –	
						
8						
Recommended screw driver						
Type of screw driver	Value					
Cross Screwdriver	PH1					
Slot screwdriver according to DIN 5264	0,8x4					
Tightening torque of screws						
			tightening torque (Nm)		tightening torque (lb-in)	
			0,60		5	
Approbations						
Specification						Marking
CE marking						
UK Directives						

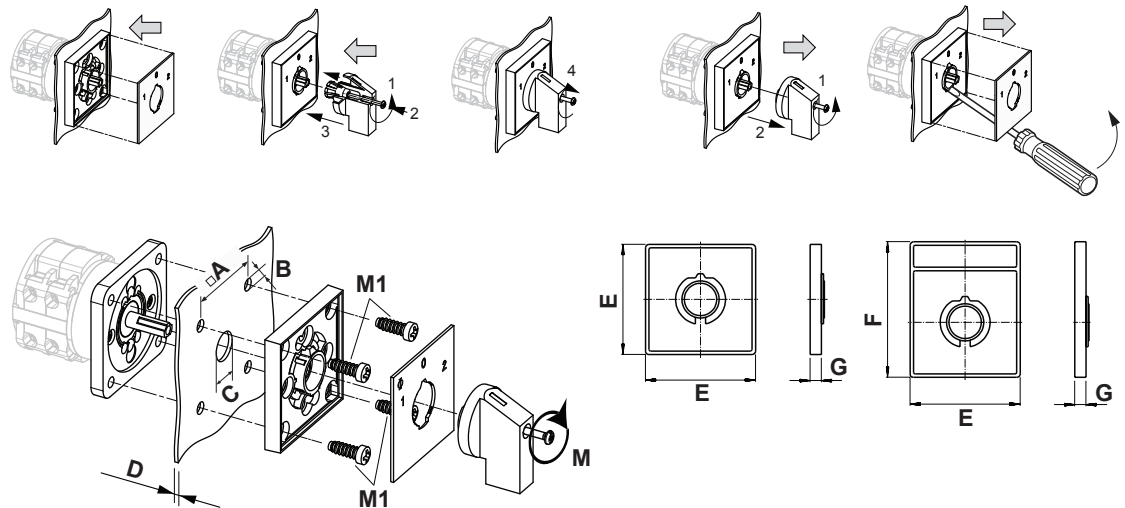
Approbations	
Specification	Marking
UL 60947-4-1; CSA C22.2 No. 60947-4-1	
CSA C.22.2 No.14	
GB/T14048.3	
General Information	
Text	
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed. - DC switching capacity applies to ON/OFF switches. - Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated. - After wiring, ALL terminal screws must be tightened to the specified torque values. - The protection class of the selected mounting type may vary if optional extras are used. - Do not lubricate or treat contacts. - Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology. - After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.	
Waste Electrical & Electronic Equipment (WEEE)	
Picture name	Description
	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company, return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausnaimer.com
Proposition 65	
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

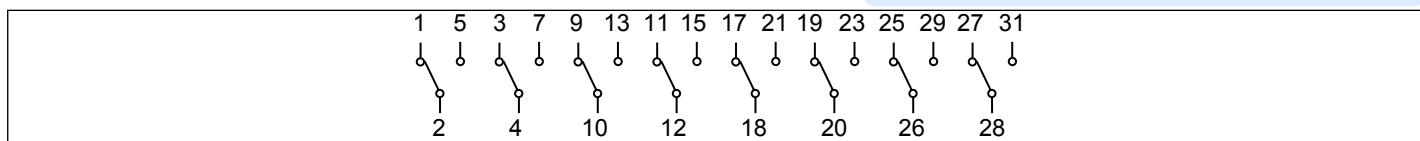
Mounting-E



IP - Code front side	IP40
Stages	1,00 - 12,00
A	□ 36,00 mm
B	∅ 5,00 mm
C	∅ 8,00 - 19,00 mm
D	H ≤ 4,00 mm
E	H 48,00 mm
F	H 59,00 mm
G	H 6,70 mm
M	↺ 0,50 Nm
M1	↺ 1,20 Nm

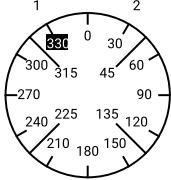
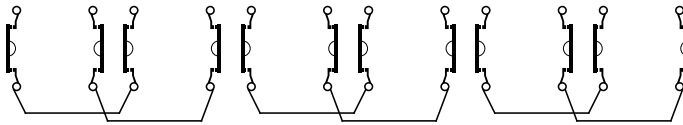
Wiring diagram

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Switch program

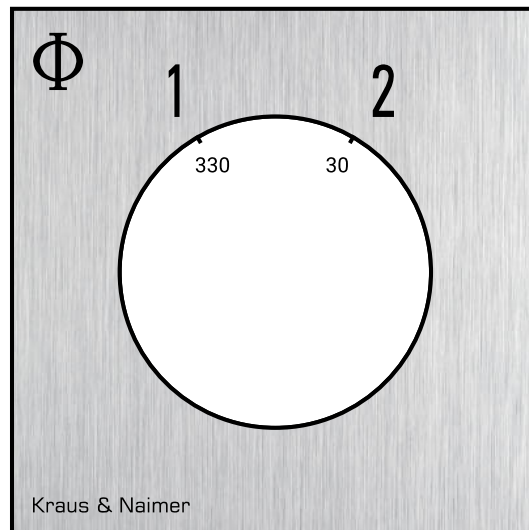
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Face Plate													
		1	3	5	7	9	11	13	15	17	19	21	23
													
Switching Angle 60 Total switching Angle 60		2	4	6	8	10	12	14	16	18	20	22	24
1		330	■	■			■	■		■	■		
		345											
		0											
		15											
2		30		■	■			■	■			■	■
		45											
		60											
		75											
		90											
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		285											
		300											
		315											
		Jumpers 1 ● ● 3 4 ● ● 2 5 ● ● 7 8 ○ ● 6 9 ● ● 11 12 ● ● 10 13 ● ● 15 16 ○ ● 14 17 ● ● 19 20 ● ● 18 21 ● ● 23 24 ○ ● 22 25 ● ● 27 28 ● ● 26 29 ● ● 31 32 ○ ● 30 33 ○ ○ 35 36 ○ ○ 34 37 ○ ○ 39 40 ○ ○ 38 41 ○ ○ 43 44 ○ ○ 42 45 ○ ○ 47 48 ○ ○ 46											

Version: 77

Face plate

S0.F072/A1B.PEL



HANDLES

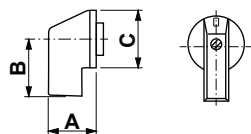
Designation: S0C.G251

Handle colour: "1" black

GENERAL TECHNICAL INFORMATION

Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,8x4



A	22,00 mm	B	23,80 mm	C	27,60 mm
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