



Sample image

## Datasheet

**Article number:** 70007350

**Designation:** CA4.A214.E

**Description:** Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
<b>Rated insulation voltage Ui</b>						
Voltage (V) AC / DC						
440 50/60Hz/DC						
<b>Rated uninterrupted current Iu/Ith</b>						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
10	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C			
<b>Rated operational current Ie</b>						
Utilization category						Current (A)
AC-15						2,50
AC-15						1,50
<b>Rated operational power</b>						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3	220 - 240	3	3	1,50		
AC-3	380 - 440	3	3	2,20		
AC-3	220 - 240	1	2	0,55		
AC-3	380 - 440	1	2	0,75		
AC-23A	220 - 240	3	3	1,80		
AC-23A	380 - 440	3	3	3		
AC-23A	220 - 240	1	2	0,75		
AC-23A	380 - 440	1	2	1,10		
<b>Max. Fuse rating IEC</b>						
Fuse characteristic						Current (A)
gG						10
<b>Tested AC and DC values</b>						
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	0,80		
DC-21A	1	ON - OFF	24 DC	10		
DC-21A	1	ON - OFF	220 DC	0,80		
DC-23A	1	ON - OFF	24 DC	7		
DC-23A	1	ON - OFF	220 DC	0,20		
<b>UL60947-4-1 , UL508</b>						
<b>Nominal Voltage</b>						
Voltage (V) AC / DC						
300 AC						
<b>Rated insulation voltage Ui</b>						
Voltage (V) AC / DC						
300 AC						
<b>Rated thermal current</b>						
Current (A)		Ambient temperature (°C)		Additional Text		
10		0 - 40		-		
<b>Horsepower rating</b>						
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]	
DOL	110 - 120	1	2	0,33	40	
DOL	220 - 240	1	2	0,75	40	
DOL	277 - 277	1	2	0,75	40	
DOL	110 - 120	3	3	0,75	40	
DOL	220 - 240	3	3	1	40	
<b>Pilot duty rating code</b>						
Duty Code						
A300						
<b>Temp. rating of wire</b>						
Temperature rating (°C)			Current (A) Text			
60 - 75			- Use copper wire only			
<b>General Use</b>						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	120	10	1	1	1	
AC	277	10	1	2	1	
AC	277	10	3	3	1	

<b>CSA</b>						
<b>Nominal Voltage</b>						
			Voltage (V) AC / DC			
			300 AC			
<b>Rated insulation voltage Ui</b>						
			Voltage (V) AC / DC			
			300 AC			
<b>Rated thermal current</b>						
		Current (A)	Ambient temperature (°C)		Additional Text	
		10	0 - 40		-	
<b>Horsepower rating</b>						
<i>Across-the-Line Motor Starting</i>						
		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL		110 - 120	1	2	0,33	40
DOL		220 - 240	1	2	0,75	40
DOL		277 - 277	1	2	0,75	40
DOL		110 - 120	3	3	0,75	40
DOL		220 - 240	3	3	1	40
<b>Pilot duty rating code</b>						
<i>Duty Code</i>						
A300						
<b>Temp. rating of wire</b>						
		Temperature rating (°C)	Current (A)		Text	
		75			- only	
<b>General Use</b>						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	120	10	1	1	1	
AC	277	10	1	2	1	
<b>GENERAL TECHNICAL INFORMATION</b>						
<b>Size of conductor</b>						
<i>composition of conductor</i>	<i>Min. / Max. value</i>	<i>No. of conductor per terminal</i>		<i>Cross section (mm<sup>2</sup>) or (AWG/kcmil)</i>		<i>Material of the wire</i>
Solid wire	Min.	1		0.5mm <sup>2</sup>		Copper
Solid wire	Min.	2		0.5mm <sup>2</sup>		Copper
Flexible wire	Min.	1		0.75mm <sup>2</sup>		Copper
Flexible wire	Min.	2		0.75mm <sup>2</sup>		Copper
Flexible wire	Max.	2		AWG 16		Copper
Flexible wire	Max.	2		1.5mm <sup>2</sup>		Copper
Single-core or stranded wire	Max.	2		AWG 14		Copper
Single-core or stranded wire	Max.	2		1.5mm <sup>2</sup>		Copper
Flexible wire with ferrule according to DIN 46228	Min.	1		0.5mm <sup>2</sup>		Copper
Flexible wire with ferrule according to DIN 46228	Max.	2		1mm <sup>2</sup>		Copper
Flexible wire with ferrule according to DIN 46228	Min.	2		0.5mm <sup>2</sup>		Copper
<b>Stripping length</b>						
						Length (mm) -
						
<b>Recommended screw driver</b>						
<i>Type of screw driver</i>		<i>Value</i>				
Cross Screwdriver		PH1				
Slot screwdriver according to DIN 5264		0,6x3,5				
<b>Tightening torque of screws</b>						
			tightening torque (Nm)		tightening torque (lb-in)	
			0,40		3,50	
<b>Approbations</b>						
<i>Specification</i>						<i>Marking</i>
CE marking						
UK Directives						
UL 60947-4-1; CSA C22.2 No. 60947-4-1						
CSA C.22.2 No.14						
<b>General Information</b>						
<i>Text</i>						
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.						
- 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.						
<b>Waste Electrical &amp; Electronic Equipment (WEEE)</b>						
<i>Picture name</i>	<i>Description</i>					
	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 <a href="http://www.krausnaimer.com">www.krausnaimer.com</a>					

**Proposition 65**

Picture name Description

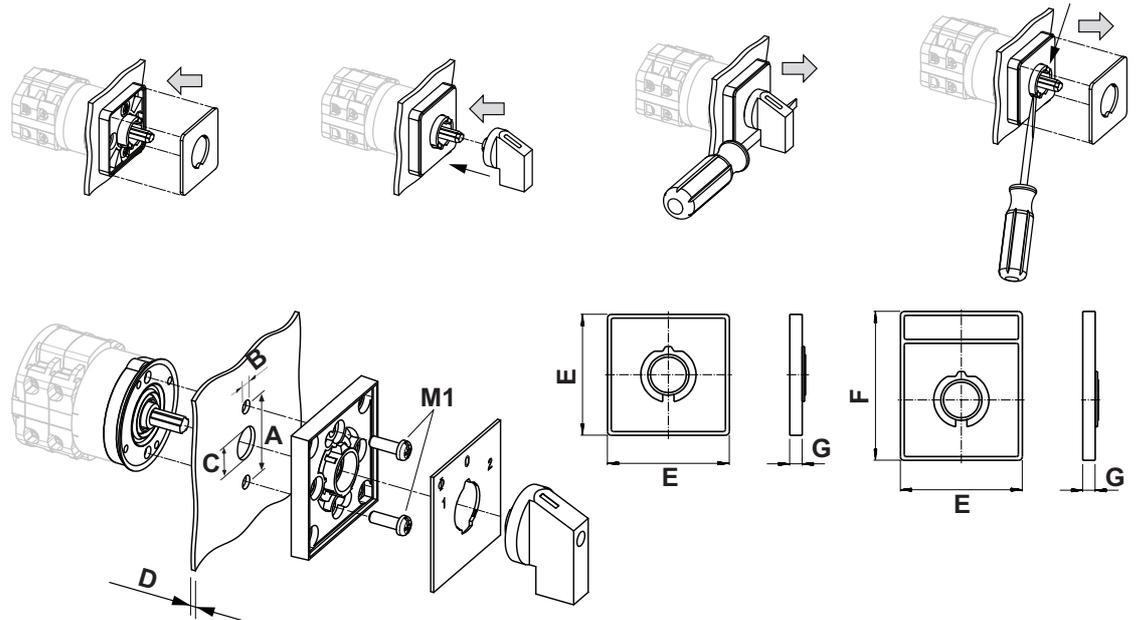
 WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

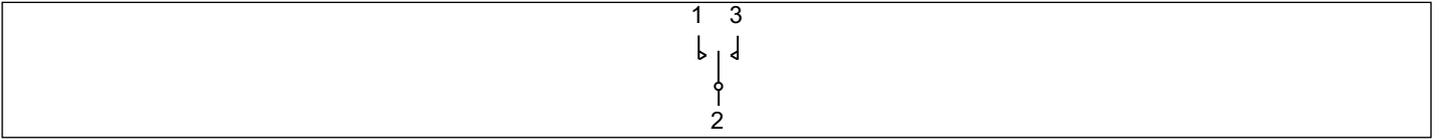
**Mounting-E**



IP - Code front side	IP40
Stages	1,00 - 9,00
A	H 20,00 mm
B	Ø 3,20 mm
C	Ø 8,00 - 11,00 mm
D	H <= 4,00 mm
E	H 30,00 mm
F	H 39,00 mm
G	H 5,50 mm
M1	↻ 0,40 Nm

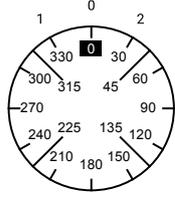
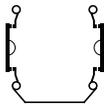
## Wiring diagram

CA4.A214.E



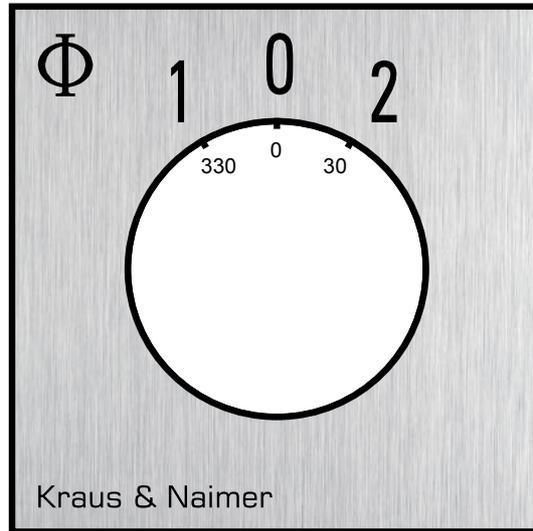
# Switch program

CA4.A214.E

 Kraus & Naimer		CA4	A214	Page 1 of 1											
<b>Face Plate</b>															
		1	3	5	7	9	11	13	15	17	19	21	23		
															
Switching Angle <input type="text" value="30"/> Total switching Angle <input type="text" value="60"/>		2	4	6	8	10	12	14	16	18	20	22	24		
	1	330	■												
		345													
	0	0													
		15													
	2	30		■											
		45													
		60													
		75													
		90													
		105													
		120													
		135													
		150													
		165													
		180													
		195													
		210													
	225														
	240														
	255														
	270														
	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: 93															

**Face plate**

S00.F025/A1B.PE



## HANDLES

**Designation:** S00.G251

**Handle colour:** "1" black

