

Sample image

Datasheet

Article number: 70007458

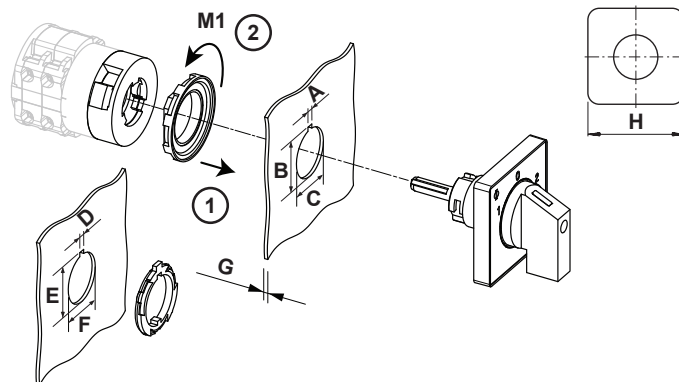
Designation: CA4.A233.FS2

Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107				
Rated insulation voltage Ui				
Voltage (V) AC / DC				
440 AC / DC				
Rated uninterrupted current Iu/Ith				
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	
Rated operational current Ie				
Utilization category		Voltage (V)		Current (A)
AC-15		220 - 240		2,50
AC-15		380 - 440		1,50
Rated operational power				
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
Max Fuse Rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		10
UL60947-4-1 , UL508				
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
10		0 - 40		–
Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110 - 120	1	2	0,33
DOL	220 - 240	1	2	0,75
DOL	277 - 277	1	2	0,75
DOL	110 - 120	3	3	0,75
DOL	220 - 240	3	3	1
Pilot duty rating code				
Duty Code				
A300				
Temp. rating of wire				
Temperature rating (°C)		Current (A) Text		
60 - 75		– Use copper wire only		
General Use				
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles
AC	120	10	1	1
AC	277	10	1	2
AC	277	10	3	3
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	
10			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	0,33	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
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	120	10	1	1	1	
AC	277	10	1	2	1	
GENERAL TECHNICAL INFORMATION						
Tightening torque of screws						
			tightening torque (Nm)		tightening torque (lb-in)	
			0,40		3,50	
Stripping length						
			Length (mm) --			
			6 STRIPPINGLENGTH			
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		AWG 16		Copper
flexible wire	Max.	2		1.5mm²		Copper
Single-core or stranded wire	Max.	2		AWG 14		Copper
Single-core or stranded wire	Max.	2		1.5mm²		Copper
flexible wire with ferrule according to DIN 46228	Max.	2		1mm²		Copper
flexible wire with ferrule according to DIN 46228	Min.	1		0.5mm²		Copper
flexible wire with ferrule according to DIN 46228	Min.	2		0.5mm²		Copper
Approbations						
Specification						Marking
EAC						
CE marking						
UK Directives						
CSA C.22.2 No.14						
Recommended screw driver						
Type of screw driver	Value					
Cross Screwdriver	PH1					
Slot screwdriver according to DIN 5264	0,6x3,5					
General Information						
Text						
- 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.						
- Use copper wire only. Do not coat the wire end with tin.						
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.						
- 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						

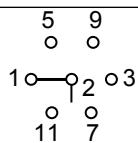
Mounting-FS2



IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 9,00
A	H	1,70 mm
A+_tol.	H	0,20 mm
A-_tol.	H	0,00 mm
B	H	17,90 mm
B+_tol.	H	0,20 mm
B-_tol.	H	0,00 mm
C	Ø	16,20 mm
C+_tol.	Ø	0,20 mm
C-_tol.	Ø	0,00 mm
D	H	3,20 mm
D+_tol.	H	0,20 mm
D-_tol.	H	0,00 mm
E	H	24,10 mm
E+_tol.	H	0,40 mm
E-_tol.	H	0,00 mm
F	Ø	22,30 mm
F+_tol.	Ø	0,40 mm
F-_tol.	Ø	0,00 mm
G	H	<= 5,00 mm
H	H	30,00 mm
M1	⌘	0,70 Nm

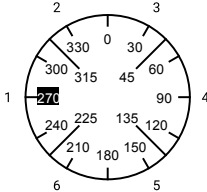
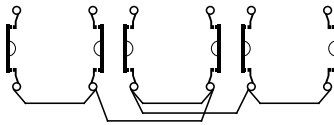
Wiring diagram

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Switch program

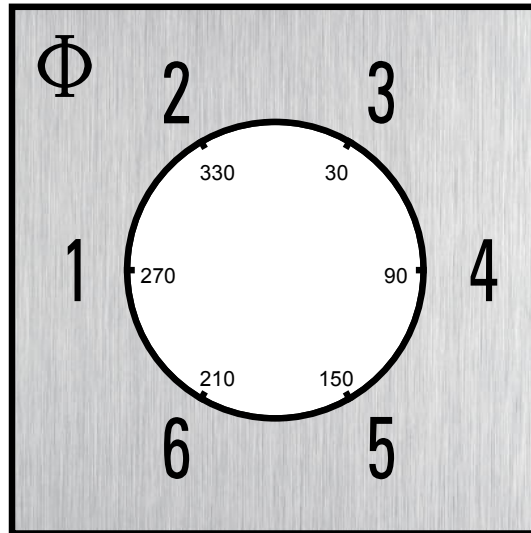
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 Kraus & Naimer		CA4		A233		Page 1 of 1							
Face Plate 													
Switching Angle 60 Total switching Angle 300		1	3	5	7	9	11	13	15	17	19	21	23
		2	4	6	8	10	12	14	16	18	20	22	24
1 270 285 300 315 2 330 345 0 15 3 30 45 60 75 4 90 105 120 135 5 150 165 180 195 6 210 225 240 255	270	■											
	285												
	300												
	315												
	330			■									
	345												
	0												
	15												
	30					■							
	45												
	60												
	75												
	90		■										
	105												
	120												
	135												
	150				■								
	165												
180													
195													
210						■							
225													
240													
255													

Version: 78

Face plate

S00.F079/A10.E1



HANDLES

Designation: S00.G251

Handle colour: "1" black

