

Sample image

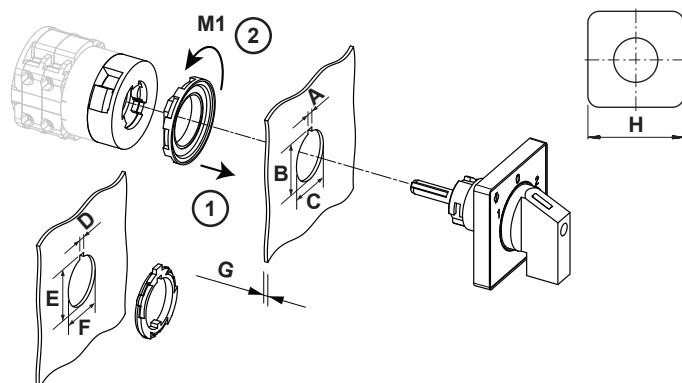
Datasheet

Article number: 70007653
Designation: CA4.A401.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)	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				
60 - 75			– Use copper wire 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		
AC	277	10	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	
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

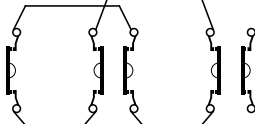
Wiring diagram

CA4.A401.FS2



Switch program

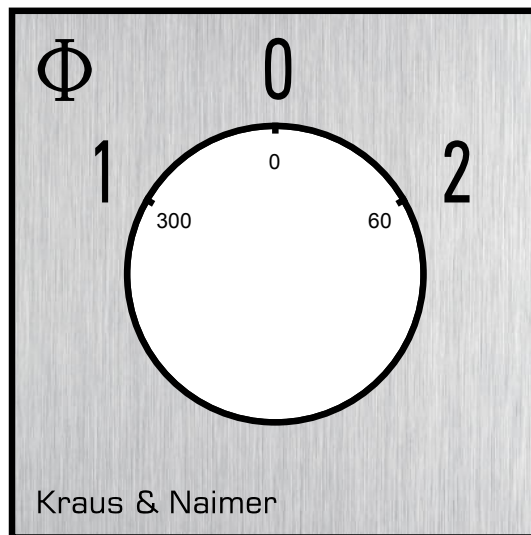
CA4.A401.FS2

 Kraus & Naimer		CA4		A401		Page 1 of 1							
Face Plate 													
Switching Angle 60 Total switching Angle 120		2	4	6	8	10	12	14	16	18	20	22	24
1 0 2	300												
	315												
	330												
	345												
	0												
	15												
	30												
	45												
	60												
	75												
	90												
	105												
	120												
	135												
	150												
	165												
	180												
	195												
210													
225													
240													
255													
270													
285													

Version: 60

Face plate

S00.F071/A10.E1



HANDLES

Designation: S00.G251

Handle colour: "1" black

