



Sample image

Datasheet

Article number: 70007568

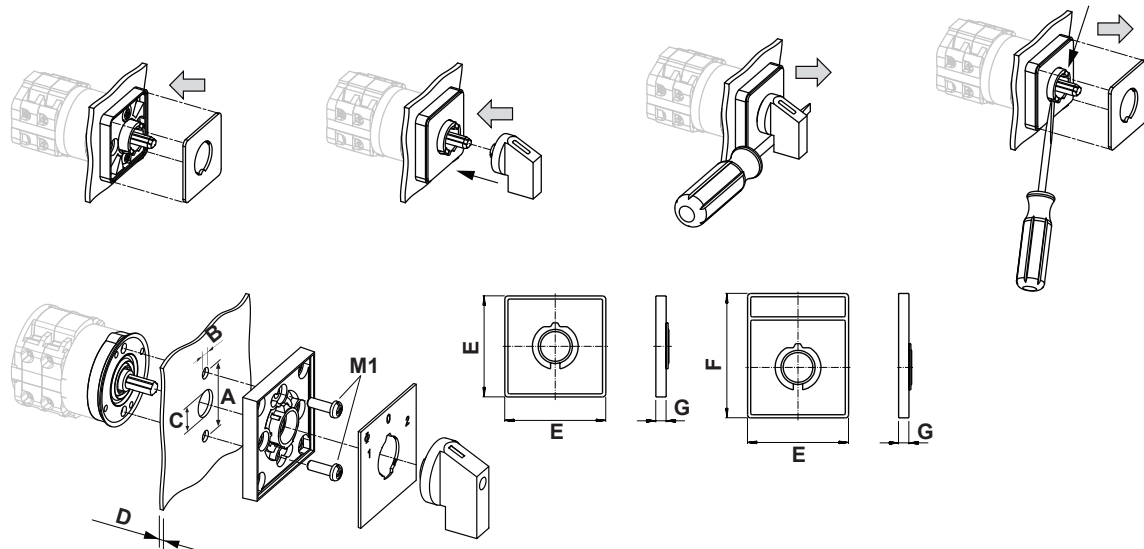
Designation: CA4.A291.EF

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-EF

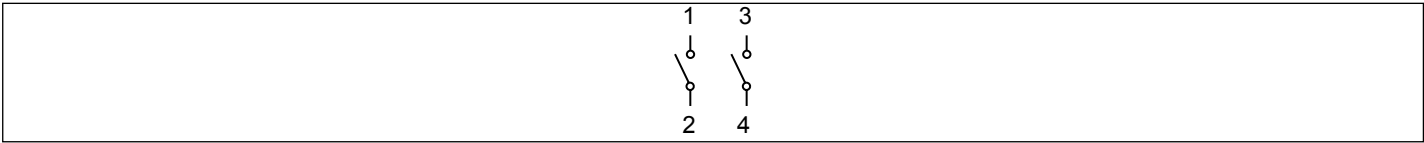


IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 9,00
A	H	20,00 mm
B	Ø	3,20 mm
C	Ø	8,00 - 11,00 mm
D	H	<= 4,00 mm
E	H	30,00 mm
F	H	39,00 mm
G	H	5,50 mm
M1	M	0,40 Nm



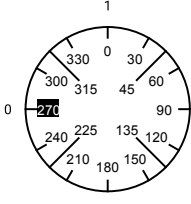
Wiring diagram

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Switch program

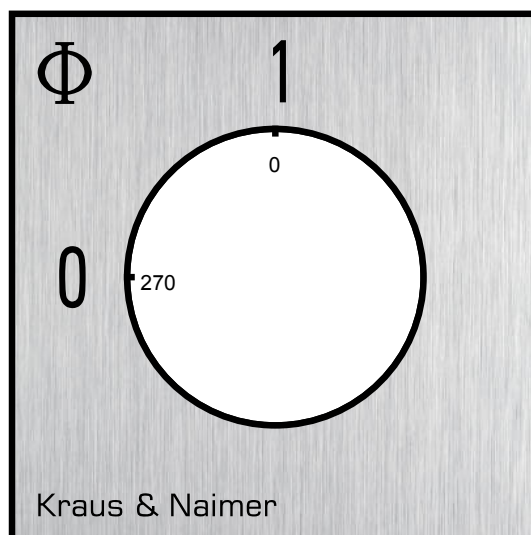
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 Kraus & Naimer		CA4 A291 Page 1 of 1											
Face Plate													
													
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16	18	20	22	24
0	270												
	285												
	300												
	315												
	330												
	345												
1	0												
	15												
	30												
	45												
	60												
	75												
	90												
	105												
	120												
	135												
	150												
	165												
	180												
	195												
	210												
	225												
	240												
	255												

Version: 96

Face plate

S00.F056/A1B.PE



HANDLES

Designation: S00.G251

Handle colour: "1" black

