



Sample image

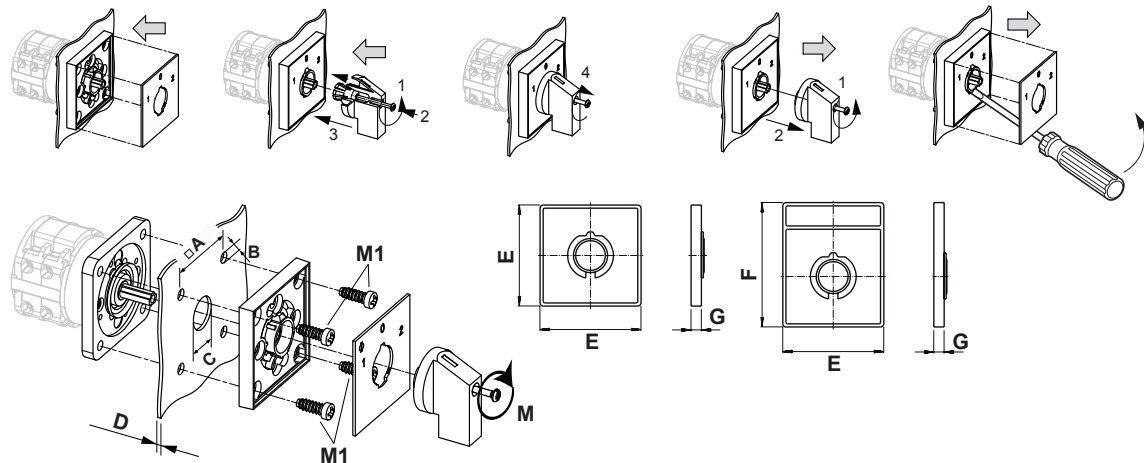
Datasheet

Article number: 70025926
Designation: CA63.A293.EF
Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107				
Rated insulation voltage Ui				
Voltage (V) AC / DC				
690 AC				
Rated uninterrupted current Iu/Ith				
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements	
63	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		16
AC-15		380 - 440		7
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	11
AC-3	380 - 440	3	3	18,50
AC-3	660 - 690	3	3	22
AC-3	220 - 240	1	2	6
AC-3	380 - 440	1	2	11
AC-23A	220 - 240	3	3	15
AC-23A	380 - 440	3	3	30
AC-23A	660 - 690	3	3	30
AC-23A	220 - 240	1	2	10
AC-23A	380 - 440	1	2	18,50
Max Fuse Rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		63
UL60947-4-1 , UL508				
Nominal Voltage				
Voltage (V) AC / DC				
600 AC				
Rated insulation voltage Ui				
Voltage (V) AC / DC				
600 AC				
Rated thermal current				
Current (A)		Ambient temperature (°C) Additional Text		
60		0 - 40 --		
Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110 - 120	1	2	3
DOL	220 - 240	1	2	7,50
DOL	277 - 277	1	2	10
DOL	415 - 415	1	2	10
DOL	440 - 480	1	2	15
DOL	550 - 600	1	2	20
DOL	110 - 120	3	3	7,50
DOL	220 - 240	3	3	15
DOL	415 - 415	3	3	20
DOL	440 - 480	3	3	30
DOL	550 - 600	3	3	30
Pilot duty rating code				
Duty Code				
A600				
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 J fuses.				
Temp. rating of wire				
Temperature rating (°C)		Current (A) Text		
75		-- Use copper wire only		

Connecting instructions					
Markings					
Break all lines.					
For use on a flat surface of a type 1 enclosure.					
When intended for use as a motor disconnecter 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	600	60	1	2	1
AC	600	60	3	3	1
GENERAL TECHNICAL INFORMATION					
Tightening torque of screws					
			tightening torque (Nm)	tightening torque (lb-in)	
			1,80	16	
Stripping length					
			Length (mm) –		
			10 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.		2	0.75mm²	Copper
solid wire	Min.		1	1.5mm²	Copper
flexible wire	Max.		1	AWG 6	Copper
flexible wire	Min.		1	2.5mm²	Copper
flexible wire	Max.		1	10mm²	Copper
flexible wire	Min.		2	1.5mm²	Copper
Single-core or stranded wire	Max.		1	AWG 6	Copper
Single-core or stranded wire	Max.		1	16mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.		2	0.75mm²	Copper
flexible wire with ferrule according to DIN 46228	Max.		1	10mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.		1	1.5mm²	Copper
Approbations					
Specification					
EAC					
CE marking					
UK Directives					
Recommended screw driver					
Type of screw driver	Value				
Cross Screwdriver	PH2				
Slot screwdriver according to DIN 5264	1x5,5				
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 - 12,00
A	□	48,00 mm
B	∅	5,00 mm
C	∅	19,00 - 22,00 mm
D	H	<= 4,00 mm
E	H	64,00 mm
F	H	78,00 mm
G	H	7,40 mm
M	M̃	0,70 Nm
M1	M̃	0,90 Nm



Wiring diagram

CA63.A293.EF



Switch program

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Kraus & Naimer

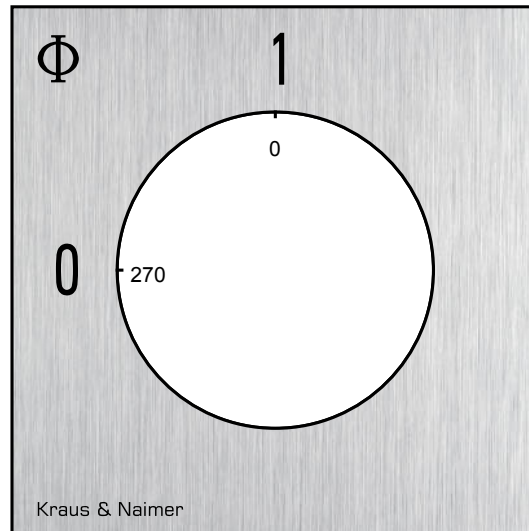
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Face Plate													
													
		1	3	5	7	9	11	13	15	17	19	21	23
   													
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16	18	20	22	24
0	270												
	285												
1	300												
	315												
	330								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

Version: 87

Face plate

S1.F056/A1B.PEL



HANDLES

Designation: S1B.G251

Handle colour: "1" black

