








Sample image

Datasheet

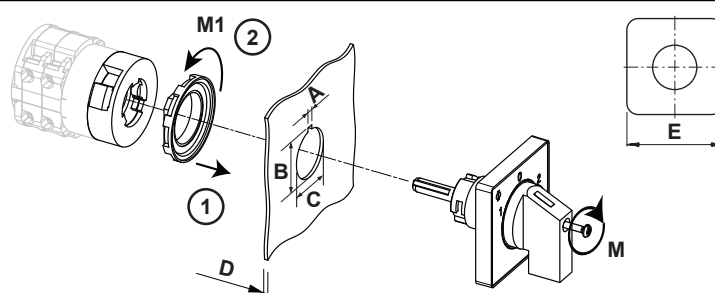
Article number: 70005915
Designation: CA20.A721.FT2
Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
Rated insulation voltage Ui						
Voltage (V) AC / DC						
690 AC / DC						
Rated uninterrupted current Iu/Ith						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
25	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C			
Rated operational current Ie						
Utilization category						Voltage (V)
AC-15						220 - 240
AC-15						380 - 440
Rated operational power						
Utilization category		Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3		220 - 240	3	3	4	
AC-3		380 - 440	3	3	7,50	
AC-3		660 - 690	3	3	7,50	
AC-3		220 - 240	1	2	3	
AC-3		380 - 440	1	2	3,70	
AC-23A		220 - 240	3	3	5,50	
AC-23A		380 - 440	3	3	11	
AC-23A		660 - 690	3	3	11	
AC-23A		220 - 240	1	2	3	
AC-23A		380 - 440	1	2	5,50	
Max Fuse Rating IEC						
Fuse characteristic						No. of Fuses
gG						1
						Current (A)
						35
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		
30		0 - 40		-		
Horsepower rating						
<i>Across-the-Line Motor Starting</i>						
	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]	
Reversing	110 - 120	1	2	0,33	40	
Reversing	220 - 240	1	2	0,75	40	
Reversing	277 - 277	1	2	1	40	
Reversing	415 - 415	1	2	1,50	40	
Reversing	440 - 480	1	2	2	40	
Reversing	550 - 600	1	2	2	40	
Reversing	110 - 120	3	3	1	40	
Reversing	220 - 240	3	3	2	40	
Reversing	415 - 415	3	3	3	40	
Reversing	440 - 480	3	3	5	40	
Reversing	550 - 600	3	3	5	40	
DOL	110 - 120	1	2	1,50	40	
DOL	220 - 240	1	2	3	40	
DOL	277 - 277	1	2	3	40	
DOL	415 - 415	1	2	3	40	
DOL	440 - 480	1	2	5	40	
DOL	550 - 600	1	2	5	40	
DOL	110 - 120	3	3	3	40	
DOL	220 - 240	3	3	7,50	40	
DOL	415 - 415	3	3	7,50	40	
DOL	440 - 480	3	3	10	40	
DOL	550 - 600	3	3	10	40	

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 RK1 fuses. Manual Motor Controllers when intended for use as a motor disconnecter are suitable for use on a circuit capable of delivering not more than 5000 rms symmetrical amperes, 600V ac max. when protected by 30A Class J time delay fuses.						
Temp. rating of wire						
Temperature rating (°C)			Current (A) Text			
75			– Use copper wire only			
Connecting instructions						
Markings						
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	30	1	2	1	
AC	600	30	3	3	1	
CSA						
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		
			30	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	1,50	40	
DOL	220 - 240	1	2	3	40	
DOL	277 - 277	1	2	3	40	
DOL	415 - 415	1	2	5	40	
DOL	440 - 480	1	2	5	40	
DOL	550 - 600	1	2	5	40	
DOL	110 - 120	3	3	3	40	
DOL	220 - 240	3	3	7,50	40	
DOL	415 - 415	3	3	10	40	
DOL	440 - 480	3	3	10	40	
DOL	550 - 600	3	3	10	40	
Pilot duty rating code						
Duty Code						
A600						
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	600	30	1	1	1	
GENERAL TECHNICAL INFORMATION						
Tightening torque of screws						
			tightening torque (Nm)		tightening torque (lb-in)	
			1		9	
Stripping length						
			Length (mm) –			
			9 STRIPPINGLENGTH			
Size of conductor						
composition of conductor	Min. / Max. value	No. of conductor per terminal		Cross section (mm ²) or (AWG/kcmil)	Material of the wire	
solid wire	Min.	1		0.75mm ²	Copper	
solid wire	Min.	2		0.75mm ²	Copper	
flexible wire	Min.	1		1.5mm ²	Copper	
flexible wire	Max.	2		AWG 12	Copper	
flexible wire	Max.	2		4mm ²	Copper	
flexible wire	Min.	2		1.5mm ²	Copper	
Single-core or stranded wire	Max.	2		AWG 10	Copper	
Single-core or stranded wire	Max.	2		4mm ²	Copper	
flexible wire with ferrule according to DIN 46228	Min.	1		1mm ²	Copper	
flexible wire with ferrule according to DIN 46228	Max.	2		2.5mm ²	Copper	
flexible wire with ferrule according to DIN 46228	Min.	2		1mm ²	Copper	
Approbations						
Specification						Marking
EAC						
CE marking						

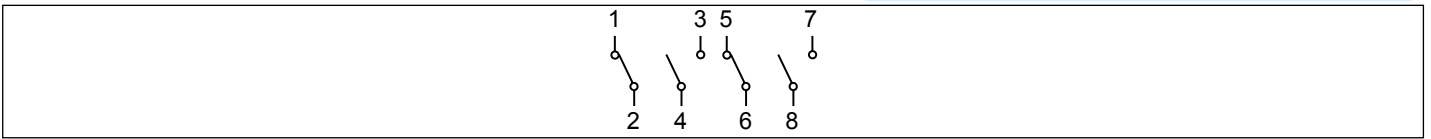
Approbations		Marking
Specification		
UK Directives		
CSA C.22.2 No.14		
GB/T14048.3		 GB/T14048.3
Recommended screw driver		
Type of screw driver	Value	
Cross Screwdriver	PH1	
Slot screwdriver according to DIN 5264	0,8x5,5	
General Information		
Text		
<ul style="list-style-type: none"> - Do not lubricate 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-FT2		
		
IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 12,00
A	H	3,20 mm
A+_tol.	H	0,20 mm
A-_tol.	H	0,00 mm
B	H	24,10 mm
B+_tol.	H	0,40 mm
B-_tol.	H	0,00 mm
C	Ø	22,30 mm
C+_tol.	Ø	0,40 mm
C-_tol.	Ø	0,00 mm
D	H	<= 6,00 mm
E	□	48,00 mm
M	↺	0,50 Nm
M1	↺	1,80 Nm


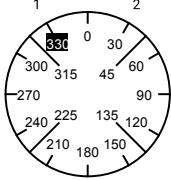
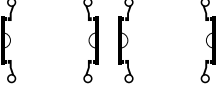
Wiring diagram

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Switch program

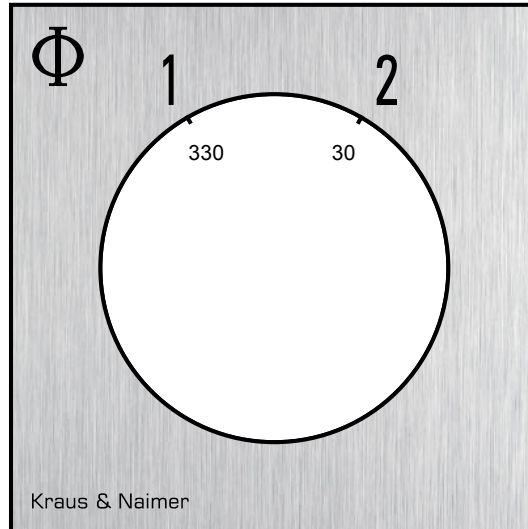
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 Kraus & Naimer		CA20				A721				Page 1 of 1			
		1	3	5	7	9	11	13	15	17	19	21	23
Face Plate 													
Switching Angle <input type="text" value="60"/> Total switching Angle <input type="text" value="60"/>		2	4	6	8	10	12	14	16	18	20	22	24
1	330	■		■									
	345												
	0												
	15												
2	30		■		■								
	45												
	60												
	75												
	90												
	105												
	120												
	135												
	150												
	165												
	180												
	195												
	210												
	225												
	240												
	255												
	270												
	285												
	300												
	315												

Version: 105

Face plate

S0.F072/A10.E1L



HANDLES

Designation: S0C.G251
Handle colour: "1" black

