



Sample image

Datasheet

Article number: 70024851

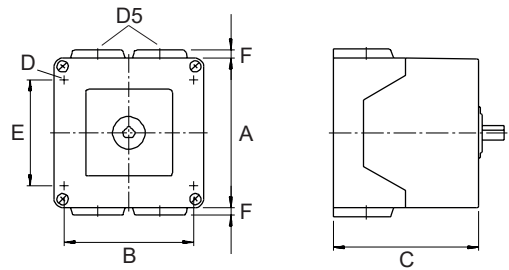
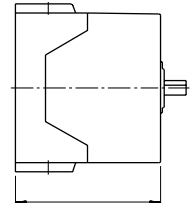
Designation: CA20.A220*NLB413.PF1

Description: Switch

IEC 60947-3, EN 60947-3, VDE 0660 Teil 107						
Tension assignée d'isolement Ui						
Tension (V) AC / DC						
690 AC / DC						
Courant Ininterrompu et thermique conventionnel Iu/Ith						
Intensité (A)	Température Ambiante (°)	Température Maxi (°)	Spécification complémentaire			
25	55	60	Température ambiante +55°C durant 24 heures avec point à +60°C			
Courant assigné d'emploi Ie						
Catégorie d'emploi		Tension (V)		Intensité (A)		
AC-15		220 - 240		8		
AC-15		380 - 440		5		
Puissance assignée d'emploi						
Catégorie d'emploi	Tension (V)	Nb de phases	Nb de pôles	Puissance (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		
Protection par fusible (IEC)						
Caractéri		Nombre de fusible		Intensité (A)		
gG		1		35		
UL60947-4-1 , UL508						
Nominal Voltage						
Tension (V) AC / DC						
600 AC						
Tension assignée d'isolement Ui						
Tension (V) AC / DC						
600 AC						
Rated thermal current						
Intensité (A)		Température Ambiante (°) Additional Text				
30		0 - 40 --				
Horsepower rating						
Across-the-Line Motor Starting		Tension (V)	Nb de phases	Nb de pôles	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

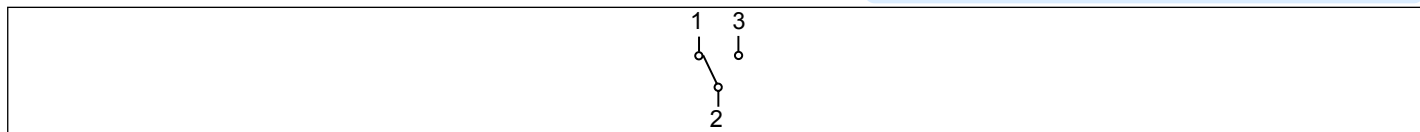
Horsepower rating						
Across-the-Line Motor Starting		Tension (V)	Nb de phases	Nb de pôles	Power (HP)	Ambient temperature [°C]
DOL		550 - 600	3	3	10	40
Pilot duty rating code						
Duty Code						
A600						
SCCR / Max. fuse rating						
Conditions of acceptability						
These devices are suitable 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)		Intensité (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	Tension (V)	Intensité (A)	Nb de phases	Nb de pôles	No. of contacts in series	
AC	600	30	1	2	1	
AC	600	30	3	3	1	
CSA						
Nominal Voltage						
Tension (V) AC / DC						
600 AC						
Tension assignée d'isolement Ui						
Tension (V) AC / DC						
600 AC						
Rated thermal current						
Intensité (A)		Température Ambiante (°) Additional Text				
30		0 - 40 –				
Horsepower rating						
Across-the-Line Motor Starting		Tension (V)	Nb de phases	Nb de pôles	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)		Intensité (A) Text				
75		– only				
General Use						
AC / DC	Tension (V)	Intensité (A)	Nb de phases	Nb de pôles	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 (mm²) or (AWG/kcmil)		Material of the wire	
solid wire	Min.	1	0,75mm²		Copper	
solid wire	Min.	2	0,75mm²		Copper	
flexible wire	Min.	1	1,5mm²		Copper	
flexible wire	Max.	2	AWG 12		Copper	
flexible wire	Max.	2	4mm²		Copper	
flexible wire	Min.	2	1,5mm²		Copper	
Single-core or stranded wire	Max.	2	AWG 10		Copper	
Single-core or stranded wire	Max.	2	4mm²		Copper	
flexible wire with ferrule according to DIN 46228	Min.	1	1mm²		Copper	
flexible wire with ferrule according to DIN 46228	Max.	2	2,5mm²		Copper	
flexible wire with ferrule according to DIN 46228	Min.	2	1mm²		Copper	
Approbations						
Specification						Marking
EAC						

Approbations		Marking
Specification		
CE marking		
UK Directives		
CSA C.22.2 No.14		
GB/T14048.3		
Recommandations concernant le tournevis		
Type	Value	
Tournevis cruciforme	PH1	
Slot screwdriver according to DIN 5264	0,8x5,5	
General Information		
Text		
- Ne jamais lubrifier ou traiter les contacts. - Les commutateurs ne peuvent être montés, branchés et mis en service que par une personne qualifiée selon les règles techniques en vigueur. - Use copper wire only. Do not coat the wire end with tin. - Les bornes qui ne sont pas supposées être utilisées pour le raccordement de l'appareil sont livrées serrées et ne doivent pas être desserrées. Si toutefois ces bornes sont malgré tout ouvertes accidentellement, vérifier qu'aucun shunt n'est manquant. Le câblage terminé, s'assurer que toutes les bornes sont serrées. - Après mise en place des les commutateurs l'espace entre bor nes doit être suffisant pour répondre aux exigences des normes en vigueur.		
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 .	
Type de contacts: Rigid contact bridge		
Revêtement des Contacts: Silver		
Types de raccordement: Screw terminal		

Mounting-PF1			
			
IP - Code front side		IP65	
Stages		1,00 - 2,00	
A	□	82,00 mm	
B	H	68,00 mm	
C	H	64,70 mm	
D	Ø	4,40 mm	
D5	Ø	4,00 x M20	
E	H	52,00 mm	
F	H	5,00 mm	

Wiring diagram

CA20.A220.PF1



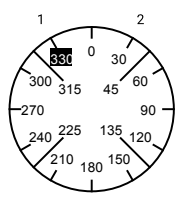
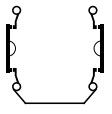
Switch program

CA20.A220.PF1



Kraus & Naimer

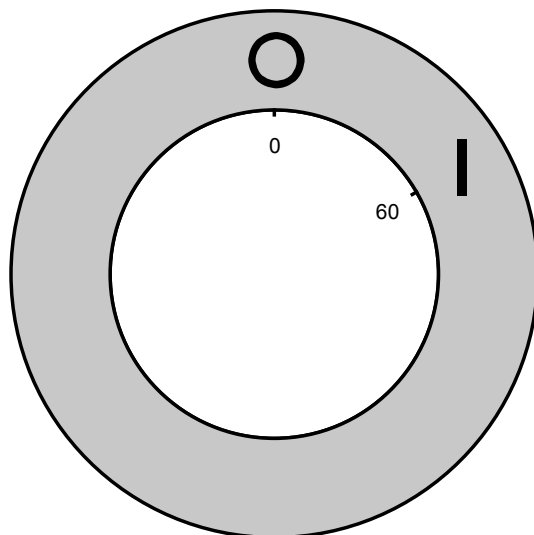
CA20
A220
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Face Plate													
													
		1	3	5	7	9	11	13	15	17	19	21	23
Switching Angle 60 Total switching Angle 60		2	4	6	8	10	12	14	16	18	20	22	24
1													
330													
345													
0													
15													
2													
30													
45													
60													
75													
90													
105													
120													
135													
150													
165													
180													
195													
210													
225													
240													
255													
270													
285													
300													
315													

Version: 106

Face plate

S1.F470/C10.V11V





Sample image

PADLOCK DEVICE with F-handle ring

Designation: S1.V840G/A72/C1

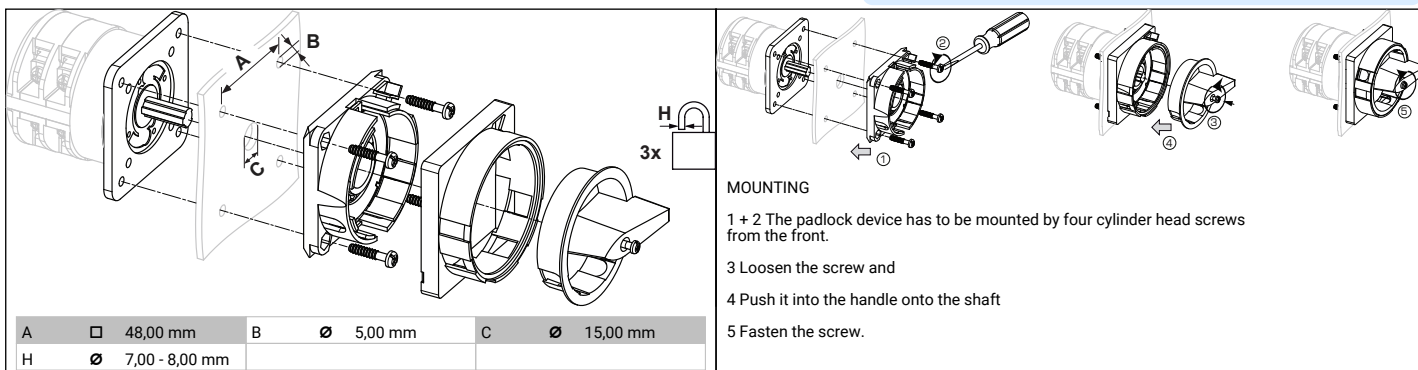
Colour of F-handle ring: "A" black

Colour of face ring: "7" electro-grey

Locking position: "2" at 12:00 (1x90°)

Type of mounting: "C" for type of mounting PN, PF, PFA-PFF

Switch type: "1" for C-switches and for KG10.



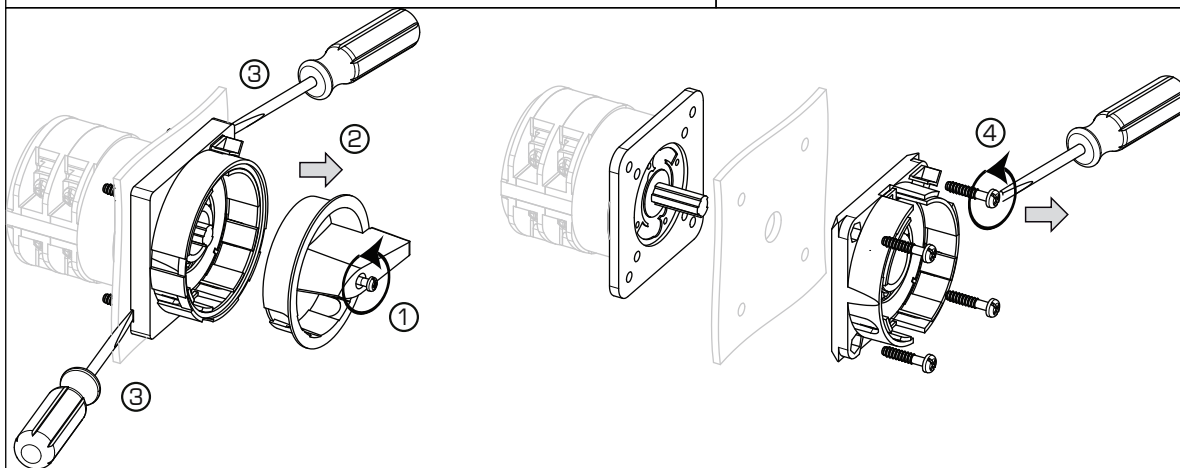
MOUNTING

1 + 2 The padlock device has to be mounted by four cylinder head screws from the front.

3 Loosen the screw and

4 Push it into the handle onto the shaft

5 Fasten the screw.



1 Loose handle screw

2 remove handle.

3 Insert a proper auxiliary tool at those points of the frame of the device which are marked by a screw driver on the drawing and remove the frame.

4 Fixing screws can be loosen now.