

Sample image

Datasheet

Article number: 70014480

Designation: CH10.A211.EF

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			
20	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		6	
AC-15			380 - 440		4	
Rated operational power						
Utilization category		Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3		220 - 240	3	3	3	
AC-3		380 - 440	3	3	5,50	
AC-3		660 - 690	3	3	5,50	
AC-3		220 - 240	1	2	2,20	
AC-3		380 - 440	1	2	3	
AC-23A		220 - 240	3	3	3,70	
AC-23A		380 - 440	3	3	7,50	
AC-23A		660 - 690	3	3	7,50	
AC-23A		220 - 240	1	2	2,50	
AC-23A		380 - 440	1	2	3,70	
Max Fuse Rating IEC						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		25	
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		
20		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	0,50	40	
DOL	220 - 240	1	2	1	40	
DOL	277 - 277	1	2	2	40	
DOL	440 - 480	1	2	2	40	
DOL	550 - 600	1	2	2	40	
DOL	110 - 120	3	3	1,50	40	
DOL	220 - 240	3	3	3	40	
DOL	440 - 480	3	3	5	40	
DOL	550 - 600	3	3	5	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 5kA rms symmetrical amperes, 600V ac max. when protected by Class RK1 fuses.						
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	277	20	1	1	1	
AC	600	20	1	2	1	

General Use									
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series				
AC	600	20	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				
		20	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	0,50	40	
DOL				220 - 240	1	2	1	40	
DOL				277 - 277	1	2	2	40	
DOL				440 - 480	1	2	2	40	
DOL				550 - 600	1	2	2	40	
DOL				110 - 120	3	3	1,50	40	
DOL				220 - 240	3	3	3	40	
DOL				440 - 480	3	3	5	40	
DOL				550 - 600	3	3	5	40	
Pilot duty rating code									
Duty Code									
A600									
Temp. rating of wire									
			Temperature rating (°C)		Current (A)		Text		
			75				-- --		
General Use									
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series				
AC	277	20	1	1	1				
AC	600	20	1	2	1				
AC	600	20	3	3	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		0.75mm²		Copper	
flexible wire		Min.		2		0.75mm²		Copper	
flexible wire		Max.		2		AWG 12		Copper	
flexible wire		Max.		2		2.5mm²		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		0.75mm²		Copper	
flexible wire with ferrule according to DIN 46228		Min.		2		0.75mm²		Copper	
flexible wire with ferrule according to DIN 46228		Max.		2		2.5mm²		Copper	
Approbations									
Specification					Marking				
EAC									
CE marking									
UK Directives									
CSA C.22.2 No.14									
GB/T14048.3									
Recommended screw driver									
Type of screw driver				Value					
Cross Screwdriver				PH1					
Slot screwdriver according to DIN 5264				0,8x4					
General Information									
Text									
- Do not lubricate or treat contacts.									

General Information

Text

- 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

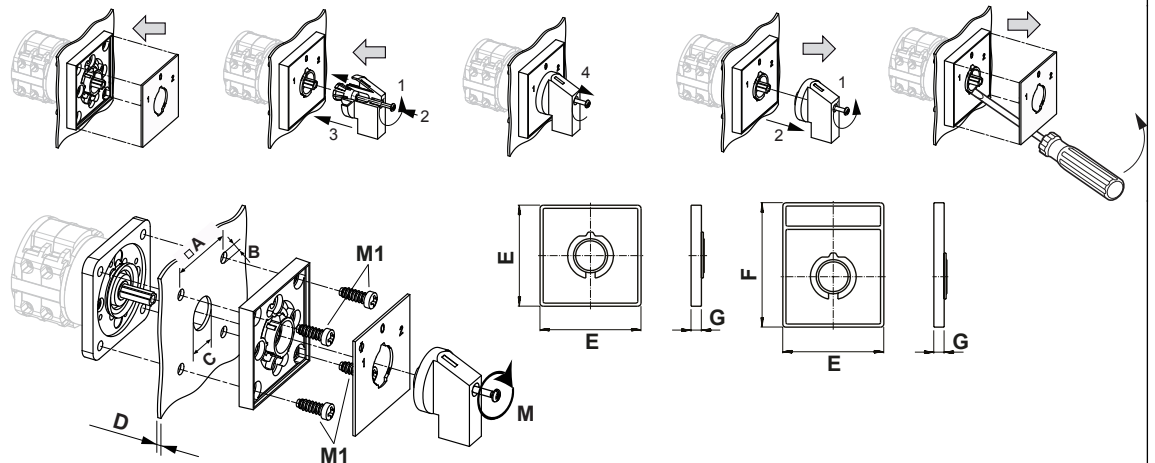
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-EF

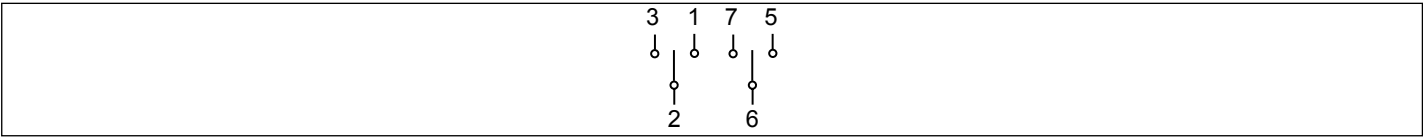


IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 12,00
A	□	36,00 mm
B	∅	5,00 mm
C	∅	15,00 - 19,00 mm
D	H	<= 4,00 mm
E	H	48,00 mm
F	H	59,00 mm
G	H	6,70 mm
M	⌘	0,50 Nm
M1	⌘	0,90 Nm



Wiring diagram

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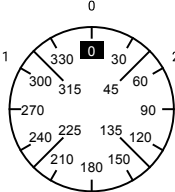
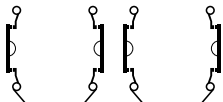
Switch program

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Kraus & Naimer

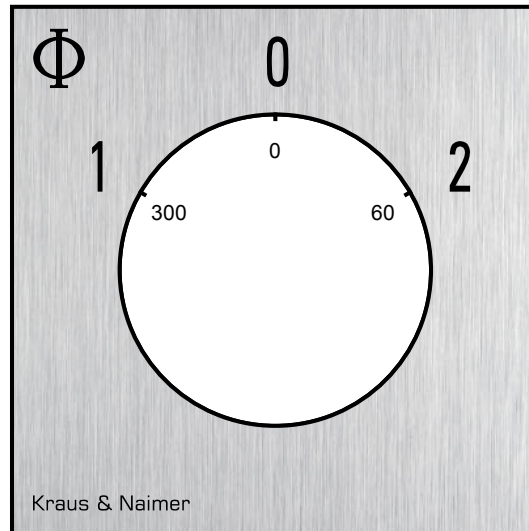
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Face Plate																									
		1		3		5		7		9		11		13		15		17		19		21		23	
																									
Switching Angle 60 Total switching Angle 120		2		4		6		8		10		12		14		16		18		20		22		24	
1		300																							
		315															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

Version: 109

Face plate

S0.F071/A1B.PEL



HANDLES

Designation: S0C.G251

Handle colour: "1" black

