







Sample image

## Datasheet

**Article number:** 70012768  
**Designation:** CH10.A241.FT2  
**Description:** Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
<b>Märkdriftspänning Ui</b>						
Spänning (V) AC / DC						
690 AC / DC						
<b>Märkdriftström vid konstant drift</b>						
Ström (A)	Omgivningstemperatur (°C)	Temperatur topp (°C)	ytterligare krav			
20	55	60	Omgivningstemperatur +55°C under 24 timmar med toppar upp till +60°C			
<b>Märkdriftström Ie</b>						
<i>Urvals kriterie</i>						
			Spänning (V)		Ström (A)	
AC-15			220 - 240		6	
AC-15			380 - 440		4	
<b>Märkdrifteffekt</b>						
<i>Urvals kriterie</i>						
	Spänning (V)	No. of phases	No. of poles	Effekt (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		
<b>Max försäkring, IEC</b>						
<i>Säkringskaraktäristik</i>						
					Antal säkringar	Ström (A)
gG					1	25
<b>UL60947-4-1 , UL508</b>						
<b>Nominal Voltage</b>						
Spänning (V) AC / DC						
600 AC						
<b>Märkdriftspänning Ui</b>						
Spänning (V) AC / DC						
600 AC						
<b>Rated thermal current</b>						
Ström (A)						
20						
Omgivningstemperatur (°C) Additional Text						
0 - 40 --						
<b>Horsepower rating</b>						
<i>Across-the-Line Motor Starting</i>						
	Spänning (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	
<b>Pilot duty rating code</b>						
<i>Duty Code</i>						
A600						
<b>SCCR / Max. fuse rating</b>						
<i>Conditions of acceptability</i>						
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.						
<b>Temp. rating of wire</b>						
Temperature rating (°C)						
60 - 75						
Ström (A) Text						
-- Use copper wire only						
<b>General Use</b>						
AC / DC	Spänning (V)	Ström (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	Spänning (V)	Ström (A)	No. of phases	No. of poles	No. of contacts in series
AC	600	20	3	3	1
CSA					
Nominal Voltage					
			Spänning (V) AC / DC		
			600 AC		
Märkdriftspänning UI					
			Spänning (V) AC / DC		
			600 AC		
Rated thermal current					
		Ström (A)	Omgivningstemperatur (°C)		Additional Text
		20	0 - 40		--
Horsepower rating					
Across-the-Line Motor Starting					
	Spänning (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)	Ström (A)	Text
			75	--	--
General Use					
AC / DC	Spänning (V)	Ström (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					
Size of conductor					
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)		Material of the wire
solid wire	Min.	1	0,75mm <sup>2</sup>		Copper
solid wire	Min.	2	0,75mm <sup>2</sup>		Copper
flexible wire	Min.	1	0,75mm <sup>2</sup>		Copper
flexible wire	Min.	2	0,75mm <sup>2</sup>		Copper
flexible wire	Max.	2	AWG 12		Copper
flexible wire	Max.	2	2,5mm <sup>2</sup>		Copper
Single-core or stranded wire	Max.	2	AWG 10		Copper
Single-core or stranded wire	Max.	2	4mm <sup>2</sup>		Copper
flexible wire with ferrule according to DIN 46228	Min.	1	0,75mm <sup>2</sup>		Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0,75mm <sup>2</sup>		Copper
flexible wire with ferrule according to DIN 46228	Max.	2	2,5mm <sup>2</sup>		Copper
Stripping length					
Length (mm) --					
					
Rekomenderad skruvmejsel					
Typ av skruvmejsel		Value			
Stjärnskruvmejsel		PH1			
Slot screwdriver according to DIN 5264		0,8x4			
Tightening torque of screws					
			tightening torque (Nm)	tightening torque (lb-in)	
			1	9	
Approbations					
Specification					Marking
EAC					
CE marking					
UK Directives					
CSA C.22.2 No.14					
GB/T14048.3					
General Information					
Text					
- Smörjning och behandling av kontaktarna är förbjuden.					

## General Information

### Text

- Inkoppling och service av strömställaren får endast utföras av behörig personal. Strömställaren är underhållsfri.
- Använd endast kopparkabel. Kabeln får inte förtennas.
- Alla anslutningskruvar måste dras med rekommenderat moment, även de som inte används då det kan finnas interna överkopplingar.
- Vid installation av strömställaren skall kontrolleras att kryp- och luftavstånd motsvarar gällande föreskrifter.

## 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](http://www.krausnaimer.com)

## Proposition 65

### Picture name

### Description



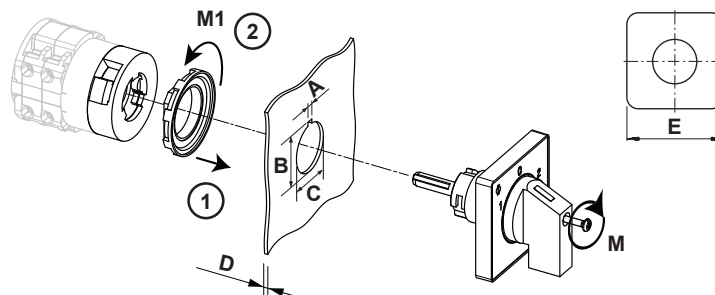
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

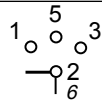
## Mounting-FT2



Skyddsklass frontpanel, IP		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


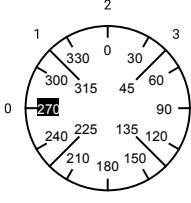
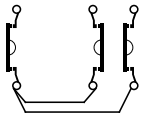
## Wiring diagram

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## Switch program

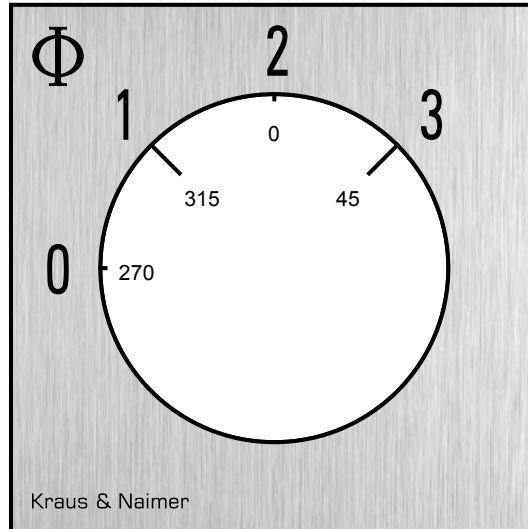
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		1	3	5	7	9	11	13	15	17	19	21	23
<b>Face Plate</b> 													
Switching Angle <input type="text" value="45"/> Total switching Angle <input type="text" value="135"/>		2	4	6	8	10	12	14	16	18	20	22	24
0	270												
	285												
	300							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

Version: 69

**Face plate**

S0.F109/A10.E1L



## HANDLES

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

