



Sample image

## Datasheet

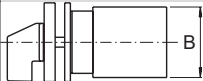
**Article number:** 70005253  
**Designation:** CA20.A213.FT2  
**Description:** Schalter  
**Contact development:** A213  
**Face plate engraving:** F071  
**Type of mounting:** FT2


Type Size: S0
Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal







IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
<b>Rated insulation voltage <math>U_i</math></b>						
			Voltage (V) AC / DC			
			690 AC / DC			
<b>Rated impulse withstand voltage <math>U_{imp}</math></b>						
Voltage (kV)	Overvoltage category	Pollution degree	Supply system		Function	
6 III		3	Valid for lines with grounded common neutral termination		switch	
<b>Rated uninterrupted current <math>I_u/I_{th}</math></b>						
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			
<b>Conventional enclosed thermal current <math>I_{thc}</math></b>						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size
25	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	--	--	--
<b>Rated operational current <math>I_e</math></b>						
Utilization category			Voltage (V)		Current (A)	
AC-15			220 - 240		8	
AC-15			380 - 440		5	
AC-20A			690		25	
AC-21A			20 - 690		25	
AC-22A			220 - 500		25	
AC-22A			660 - 690		25	
<b>Rated operational power</b>						
Utilization category	Voltage (V)	No. of phases	No. of poles		Power (kW)	
AC-2	220 - 240	3	3		5,50	
AC-2	380 - 440	3	3		11	
AC-2	500 - 500	3	3		15	
AC-2	660 - 690	3	3		13	
AC-3	220 - 240	3	3		4	
AC-3	380 - 440	3	3		7,50	
AC-3	500 - 500	3	3		7,50	
AC-3	660 - 690	3	3		7,50	
AC-3	110 - 120	1	2		1,50	
AC-3	220 - 240	1	2		3	
AC-3	380 - 440	1	2		3,70	
AC-4	220 - 240	3	3		1,50	
AC-4	380 - 440	3	3		3	
AC-4	500 - 500	3	3		3	
AC-4	660 - 690	3	3		3	
AC-4	110 - 120	1	2		0,45	
AC-4	220 - 240	1	2		1,10	
AC-4	380 - 440	1	2		2,20	
AC-23A	220 - 240	3	3		5,50	
AC-23A	380 - 440	3	3		11	
AC-23A	500 - 500	3	3		11	
AC-23A	660 - 690	3	3		11	
AC-23A	110 - 120	1	2		1,50	
AC-23A	220 - 240	1	2		3	
AC-23A	380 - 440	1	2		5,50	
<b>Max Fuse Rating IEC</b>						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		35	



Tested AC and DC values					
Utilization category / Time constant	No. of contacts in series	Off or change-over switch	Voltage (V)	AC / DC	Current (A)
DC-13	1	ON - OFF	24	DC	4
DC-13	1	ON - OFF	48	DC	2,40
DC-13	1	ON - OFF	60	DC	1,80
DC-13	1	ON - OFF	110	DC	1
DC-13	1	ON - OFF	220	DC	0,35
DC-13	2	ON - OFF	48	DC	4
DC-13	2	ON - OFF	96	DC	2,40
DC-13	2	ON - OFF	120	DC	1,80
DC-13	2	ON - OFF	220	DC	1
DC-13	2	ON - OFF	440	DC	0,35
DC-21A	1	ON - OFF	24	DC	25
DC-21A	1	ON - OFF	48	DC	25
DC-21A	1	ON - OFF	60	DC	25
DC-21A	1	ON - OFF	110	DC	6
DC-21A	1	ON - OFF	220	DC	1
DC-21A	2	ON - OFF	48	DC	21
DC-21A	2	ON - OFF	96	DC	18
DC-21A	2	ON - OFF	120	DC	17
DC-21A	2	ON - OFF	220	DC	6
DC-21A	2	ON - OFF	440	DC	1
DC-21A	3	ON - OFF	72	DC	21
DC-21A	3	ON - OFF	144	DC	18
DC-21A	3	ON - OFF	180	DC	17
DC-21A	3	ON - OFF	330	DC	6
DC-21A	3	ON - OFF	660	DC	1
DC-21A	4	ON - OFF	96	DC	21
DC-21A	4	ON - OFF	192	DC	18
DC-21A	4	ON - OFF	240	DC	17
DC-21A	4	ON - OFF	440	DC	6
DC-21A	5	ON - OFF	120	DC	21
DC-21A	5	ON - OFF	240	DC	18
DC-21A	5	ON - OFF	300	DC	17
DC-21A	5	ON - OFF	550	DC	6
DC-21A	6	ON - OFF	144	DC	21
DC-21A	6	ON - OFF	288	DC	18
DC-21A	6	ON - OFF	360	DC	17
DC-21A	6	ON - OFF	660	DC	6
DC-21A	8	ON - OFF	192	DC	21
DC-21A	8	ON - OFF	384	DC	18
DC-21A	8	ON - OFF	480	DC	17
DC-22A	1	ON - OFF	24	DC	25
DC-22A	1	ON - OFF	48	DC	25
DC-22A	1	ON - OFF	60	DC	16
DC-22A	1	ON - OFF	110	DC	2
DC-22A	1	ON - OFF	220	DC	0,30
DC-22A	2	ON - OFF	48	DC	18
DC-22A	2	ON - OFF	96	DC	17
DC-22A	2	ON - OFF	120	DC	16
DC-22A	2	ON - OFF	220	DC	2
DC-22A	2	ON - OFF	440	DC	0,30
DC-22A	3	ON - OFF	72	DC	18
DC-22A	3	ON - OFF	144	DC	17
DC-22A	3	ON - OFF	180	DC	16
DC-22A	3	ON - OFF	330	DC	2
DC-22A	3	ON - OFF	660	DC	0,30
DC-22A	4	ON - OFF	96	DC	18
DC-22A	4	ON - OFF	192	DC	17
DC-22A	4	ON - OFF	240	DC	16
DC-22A	4	ON - OFF	440	DC	2
DC-22A	5	ON - OFF	120	DC	18
DC-22A	5	ON - OFF	240	DC	17
DC-22A	5	ON - OFF	300	DC	16
DC-22A	5	ON - OFF	550	DC	2
DC-22A	6	ON - OFF	144	DC	18
DC-22A	6	ON - OFF	288	DC	17
DC-22A	6	ON - OFF	360	DC	16
DC-22A	6	ON - OFF	660	DC	2
DC-22A	8	ON - OFF	192	DC	18
DC-22A	8	ON - OFF	384	DC	17
DC-22A	8	ON - OFF	480	DC	16
DC-23A	1	ON - OFF	24	DC	25
DC-23A	1	ON - OFF	48	DC	25
DC-23A	1	ON - OFF	60	DC	14
DC-23A	1	ON - OFF	110	DC	1,70
DC-23A	1	ON - OFF	220	DC	0,20
DC-23A	2	ON - OFF	48	DC	16

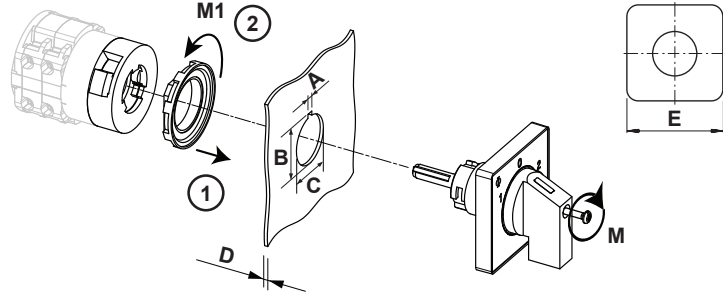
<b>Tested AC and DC values</b>				
<i>Utilization category / Time constant</i>	<i>No. of contacts in series</i>	<i>Off or change-over switch</i>	<i>Voltage (V) AC / DC</i>	<i>Current (A)</i>
DC-23A	2	ON - OFF	96 DC	15
DC-23A	2	ON - OFF	120 DC	14
DC-23A	2	ON - OFF	220 DC	1,70
DC-23A	2	ON - OFF	440 DC	0,20
DC-23A	3	ON - OFF	72 DC	16
DC-23A	3	ON - OFF	144 DC	15
DC-23A	3	ON - OFF	180 DC	14
DC-23A	3	ON - OFF	330 DC	1,70
DC-23A	3	ON - OFF	660 DC	0,20
DC-23A	4	ON - OFF	96 DC	16
DC-23A	4	ON - OFF	192 DC	15
DC-23A	4	ON - OFF	240 DC	14
DC-23A	4	ON - OFF	440 DC	1,70
DC-23A	5	ON - OFF	120 DC	16
DC-23A	5	ON - OFF	240 DC	15
DC-23A	5	ON - OFF	300 DC	14
DC-23A	5	ON - OFF	550 DC	1,70
DC-23A	6	ON - OFF	144 DC	16
DC-23A	6	ON - OFF	288 DC	15
DC-23A	6	ON - OFF	360 DC	14
DC-23A	6	ON - OFF	660 DC	1,70
DC-23A	8	ON - OFF	192 DC	16
DC-23A	8	ON - OFF	384 DC	15
DC-23A	8	ON - OFF	480 DC	14
<b>Rated conditional short-circuit current</b>				
<i>Current (kA)</i>	<i>Text</i>	<i>cut-off current I<sub>c</sub> (kA)</i>	<i>Durchlassenergie I<sup>2</sup>t (kA<sup>2</sup>s)</i>	
1	-	1,34	7,66	
<b>Rated breaking capacity</b>				
<i>Voltage (V)</i>	<i>Current (A)</i>	<i>Utilization category / UL (DOL)</i>		
220 - 240	200	-		
380 - 440	200	-		
660 - 690	125	-		
<b>Rated short-circuit making capacity I<sub>cm</sub></b>				
				<i>Current (A)</i>
				700
<b>UL60947-4-1 , UL508</b>				
<b>Nominal Voltage</b>				
<i>Voltage (V) AC / DC</i>				
600 AC				
<b>Rated insulation voltage U<sub>i</sub></b>				
<i>Voltage (V) AC / DC</i>				
600 AC				
<b>Rated thermal current</b>				
<i>Current (A)</i>	<i>Ambient temperature (°C)</i>	<i>Additional Text</i>		
30	0 - 40	-		
<b>Horsepower rating</b>				
<i>Across-the-Line Motor Starting</i>	<i>Voltage (V)</i>	<i>No. of phases</i>	<i>No. of poles</i>	<i>Power (HP)</i>
Reversing	110 - 120	1	2	0,33
Reversing	220 - 240	1	2	0,75
Reversing	277 - 277	1	2	1
Reversing	415 - 415	1	2	1,50
Reversing	440 - 480	1	2	2
Reversing	550 - 600	1	2	2
Reversing	110 - 120	3	3	1
Reversing	220 - 240	3	3	2
Reversing	415 - 415	3	3	3
Reversing	440 - 480	3	3	5
Reversing	550 - 600	3	3	5
DOL	110 - 120	1	2	1,50
DOL	220 - 240	1	2	3
DOL	277 - 277	1	2	3
DOL	415 - 415	1	2	3
DOL	440 - 480	1	2	5
DOL	550 - 600	1	2	5
DOL	110 - 120	3	3	3
DOL	220 - 240	3	3	7,50
DOL	415 - 415	3	3	7,50
DOL	440 - 480	3	3	10
DOL	550 - 600	3	3	10
<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 5000 rms symmetrical amperes, 600V ac max. when protected by Class RK1 fuses. Manual Motor Controllers when intended for use as a motor disconnect 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.				

<b>Temp. rating of wire</b>							
Temperature rating (°C)			Current (A) Text				
75			-- --				
<b>Connecting instructions</b>							
<i>Markings</i>							
When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.							
<b>General Use</b>							
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		
<b>Suitable as Motor disconnect</b>							
Yes/No							
Y							
<b>CSA</b>							
<b>Nominal Voltage</b>							
			Voltage (V) AC / DC				
			600 AC				
<b>Rated insulation voltage Ui</b>							
			Voltage (V) AC / DC				
			600 AC				
<b>Rated thermal current</b>							
			Current (A)		Ambient temperature (°C) Additional Text		
			30		0 - 40 --		
<b>Horsepower rating</b>							
<i>Across-the-Line Motor Starting</i>				Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL				110 - 120	1	2	1,50
DOL				220 - 240	1	2	3
DOL				277 - 277	1	2	3
DOL				415 - 415	1	2	5
DOL				440 - 480	1	2	5
DOL				550 - 600	1	2	5
DOL				110 - 120	3	3	3
DOL				220 - 240	3	3	7,50
DOL				415 - 415	3	3	10
DOL				440 - 480	3	3	10
DOL				550 - 600	3	3	10
<b>Pilot duty rating code</b>							
<i>Duty Code</i>							
A600							
<b>Temp. rating of wire</b>							
Temperature rating (°C)			Current (A) Text				
75			-- only				
<b>General Use</b>							
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series		
AC	600	30	1	1	1		
<b>MASTER DATA</b>							
<b>Max. number of stages</b>							
			number of stages Modul				
			12 FL				
<b>Switch Measures</b>							
<i>Picture name</i>	B	F	H	H1	H2	H3	
	45	--	--	--	--	--	
<b>GENERAL TECHNICAL INFORMATION</b>							
<b>Tightening torque of screws</b>							
			tightening torque (Nm)		tightening torque (lb-in)		
			1		9		
<b>Tested AC and DC values</b>							
<i>Utilization category / Time constant</i>	No. of contacts in series	<i>Off or change-over switch</i>		Voltage (V) AC / DC	Current (A)		
Ts1ms	1	ON - OFF		24 DC	25		
Ts1ms	1	ON - OFF		48 DC	20		
Ts1ms	1	ON - OFF		60 DC	7,50		
Ts1ms	1	ON - OFF		110 DC	1,50		
Ts1ms	1	ON - OFF		220 DC	0,50		
Ts1ms	1	ON - OFF		440 DC	0,30		
Ts1ms	2	ON - OFF		48 DC	25		
Ts1ms	2	ON - OFF		95 DC	20		
Ts1ms	2	ON - OFF		120 DC	7,50		
Ts1ms	2	ON - OFF		220 DC	1,50		
Ts1ms	2	ON - OFF		440 DC	0,50		
Ts1ms	2	ON - OFF		660 DC	0,30		
Ts1ms	3	ON - OFF		70 DC	25		
Ts1ms	3	ON - OFF		140 DC	20		
Ts1ms	3	ON - OFF		180 DC	7,50		
Ts1ms	3	ON - OFF		330 DC	1,50		

Tested AC and DC values					
Utilization category / Time constant	No. of contacts in series	Off or change-over switch	Voltage (V)	AC / DC	Current (A)
T≤1ms	3	ON - OFF	660	DC	0,50
T≤1ms	4	ON - OFF	95	DC	25
T≤1ms	4	ON - OFF	190	DC	20
T≤1ms	4	ON - OFF	240	DC	7,50
T≤1ms	4	ON - OFF	440	DC	1,50
T≤1ms	5	ON - OFF	120	DC	25
T≤1ms	5	ON - OFF	240	DC	20
T≤1ms	5	ON - OFF	300	DC	7,50
T≤1ms	5	ON - OFF	550	DC	1,50
T≤1ms	6	ON - OFF	145	DC	25
T≤1ms	6	ON - OFF	290	DC	20
T≤1ms	6	ON - OFF	360	DC	7,50
T≤1ms	6	ON - OFF	660	DC	1,50
T≤1ms	8	ON - OFF	190	DC	25
T≤1ms	8	ON - OFF	350	DC	20
T≤1ms	8	ON - OFF	450	DC	7,50
T=50ms	1	ON - OFF	24	DC	20
T=50ms	1	ON - OFF	30	DC	9
T=50ms	1	ON - OFF	48	DC	3
T=50ms	1	ON - OFF	60	DC	1,50
T=50ms	1	ON - OFF	110	DC	0,50
T=50ms	2	ON - OFF	48	DC	20
T=50ms	2	ON - OFF	60	DC	9
T=50ms	2	ON - OFF	95	DC	3
T=50ms	2	ON - OFF	120	DC	1,50
T=50ms	2	ON - OFF	220	DC	0,50
T=50ms	3	ON - OFF	70	DC	20
T=50ms	3	ON - OFF	90	DC	9
T=50ms	3	ON - OFF	140	DC	3
T=50ms	3	ON - OFF	180	DC	1,50
T=50ms	3	ON - OFF	330	DC	0,50
T=50ms	4	ON - OFF	95	DC	20
T=50ms	4	ON - OFF	120	DC	9
T=50ms	4	ON - OFF	190	DC	3
T=50ms	4	ON - OFF	240	DC	1,50
T=50ms	4	ON - OFF	440	DC	0,50
T=50ms	5	ON - OFF	120	DC	20
T=50ms	5	ON - OFF	150	DC	9
T=50ms	5	ON - OFF	240	DC	3
T=50ms	5	ON - OFF	300	DC	1,50
T=50ms	5	ON - OFF	550	DC	0,50
T=50ms	6	ON - OFF	145	DC	20
T=50ms	6	ON - OFF	180	DC	9
T=50ms	6	ON - OFF	290	DC	3
T=50ms	6	ON - OFF	360	DC	1,50
T=50ms	6	ON - OFF	660	DC	0,50
T=50ms	8	ON - OFF	190	DC	20
T=50ms	8	ON - OFF	240	DC	9
T=50ms	8	ON - OFF	350	DC	3
T=50ms	8	ON - OFF	450	DC	1,50
<b>Stripping length</b>					
Length (mm) --					
9 STRIPPINGLENGTH					
<b>Minimal ratings (voltage/current)</b>					
Voltage (V)	Current (mA)	Environment conditions	Environment conditions 2	Environment conditions 3	
20	5	Ambient air must be free of particular contamination with sulfur and/or sulfurous components such as H2S etc.	In case extraordinary contamination with dust is expected an adequate dust protection is required.	--	
<b>Rated short-time withstand current Icw</b>					
Time (s)					Current (A)
1					280
<b>Size of conductor</b>					
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	Max.	2	AWG 12		Copper
flexible wire	Max.	2	4mm <sup>2</sup>		Copper
flexible wire	Min.	1	1.5mm <sup>2</sup>		Copper
flexible wire	Min.	2	1.5mm <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	Max.	2	2.5mm <sup>2</sup>		Copper
flexible wire with ferrule according to DIN 46228	Min.	1	1mm <sup>2</sup>		Copper
flexible wire with ferrule according to DIN 46228	Min.	2	1mm <sup>2</sup>		Copper
<b>Approbations</b>					
Specification					Marking
EAC					


Approbations									
Specification								Marking	
CE marking									
UK Directives									
IEC 60947-3; EN 60947-3; VDE 0660 Teil107								<b>IEC 60947-3</b> <b>EN 60947-3</b>	
UL 60947-4-1; CSA C22.2 No. 60947-4-1									
CSA C.22.2 No.14									
GB/T14048.3								 GB/T14048.3	
Russian Maritime Register of Shipping									
<b>Power loss per pole</b>								Power (W) 0,90	
<b>Mechanical life</b>									
		No. of operations		Ambient temperature (°C)		Number of stages		Limitations	
		1000000		-5 - 55				Valid for manual operation. Valid for switches without optional extras. The value refers to the mechanics of the device, for lifetime of the electrical contacts please refer to "electrical life - values".	
<b>Electrical life (B10-Value)</b>									
Utilization category	cos(φ)	Time constant (ms)	Voltage (V)	Current (A)	No. of operations	number of series contacts	AC/DC	No. of phases	No. of poles
--	0,59	--	220	10	1000000	1	AC	1	1
--	0,59	--	220	15	500000	1	AC	1	1
--	0,64	--	220	20	200000	1	AC	1	1
--	0,65	--	380	5	500000	1	AC	1	1
--	0,64	--	380	10	500000	1	AC	1	1
--	0,64	--	380	15	300000	1	AC	1	1
--	0,65	--	380	20	200000	1	AC	1	1
AC-3	--	--	440	15,50	200000	1	AC	3	3
AC-23	--	--	440	22	200000	1	AC	3	3
AC-3	--	--	690	9	200000	1	AC	3	3
AC-23	--	--	690	13	200000	1	AC	3	3
AC-22	--	--	690	25	100000	1	AC	3	3
--	--	1	24	25	200000	1	DC	1	1
--	--	1	48	20	200000	1	DC	1	1
--	--	1	60	10	90000	1	DC	1	1
--	--	1	110	1,50	140000	1	DC	1	1
--	--	1	220	0,50	200000	1	DC	1	1
--	--	1	440	0,30	200000	1	DC	1	1
--	--	50	24	1	400000	1	DC	1	1
--	--	50	24	20	8000	1	DC	1	1
--	--	50	30	9	50000	1	DC	1	1
--	--	50	48	1	80000	1	DC	1	1
--	--	50	48	4	100000	1	DC	1	1
--	--	50	50	4	100000	1	DC	1	1
--	--	50	60	2	90000	1	DC	1	1
--	--	50	110	0,50	200000	1	DC	1	1
--	--	55	110	1	200000	1	DC	1	1
--	--	55	110	1,50	100000	1	DC	1	1
--	--	55	220	0,50	100000	1	DC	1	1
--	--	100	110	0,50	100000	1	DC	1	1
--	--	100	110	1	48000	1	DC	1	1
<b>Recommended screw driver</b>									
Type of screw driver				Value					
Cross Screwdriver				PH1					
Flat blade				0,8x5,5					
<b>Degree of protection</b>									
IP - Code switch terminal									
IP20									
<b>Conditions during transport and storing</b>									
Minimum temperature (°C)					Maximum temperature (°C) additional requirements				
-40					85 In case of temperatures below -5°C no shock load permissible				
<b>Shock / Vibration</b>									
Type of oscillation				Values					
Resistance to vibration				Min. 4g, 2-100Hz, 1,6mm					
Resistance to shock				Min. 5g, 6ms					
Resistance to shock				min. 5g, 30ms					

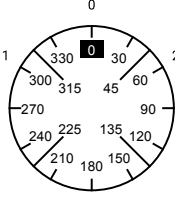
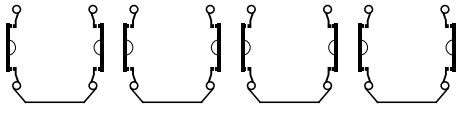
Shock / Vibration	
Type of oscillation	Values
Resistance to vibration	IEC 61373 (1999) Category 1, Class B
General Information	
Text	
<ul style="list-style-type: none"> <li>- DC switching capacity applies to ON/OFF switches.</li> <li>- Do not lubricate or treat contacts.</li> <li>- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.</li> <li>- Use copper wire only. Do not coat the wire end with tin.</li> <li>- 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.</li> <li>- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.</li> </ul>	
Creepage distance	Distance (mm) 12,70
Clearance	Distance (mm) 9,50
Distance of stages	Distance (mm) 12,70
Operating temperature	Min. Temperature [°C]      Max. Temperature [°C] -25      60
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 <a href="http://www.krausnaimer.com">www.krausnaimer.com</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .

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**

CA20.A213.FT2

 Kraus & Naimer

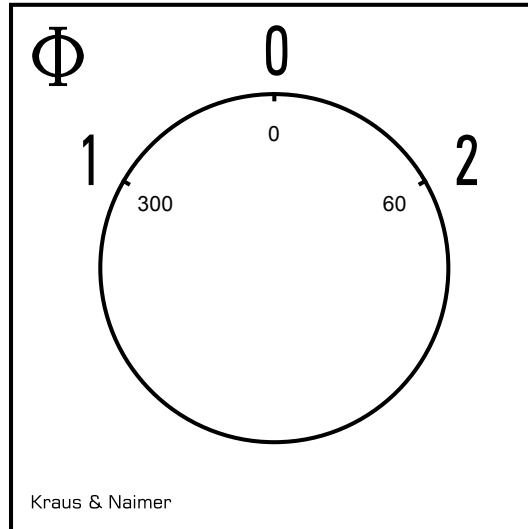
		CA20				A213				Page 1 of 1			
<b>Face Plate</b>													
		1	3	5	7	9	11	13	15	17	19	21	23
													
Switching Angle <input type="text" value="60"/> Total switching Angle <input type="text" value="120"/>		2	4	6	8	10	12	14	16	18	20	22	24
1	300		■		■		■		■				
	315												
	330												
	345												
0	0												
	15												
	30												
	45												
2	60	■		■		■		■					
	75												
	90												
	105												
	120												
	135												
	150												
	165												
	180												
	195												
	210												
	225												
	240												
	255												
	270												
	285												

Version: 93



**Face plate**

S0.F071/A10.E1L



## HANDLES

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

