

Datasheet

Article number: 70131389

Designation: CA10.A211.VE1E.F373

Description: Switchgear

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107					
Rated insulation voltage Ui					
Voltage (V) AC / DC					
690 50/60Hz/DC					
Rated impulse withstand voltage Uimp					
Voltage (kV)		Overvoltage category	Pollution degree	Supply system	Function
4		III	3	Valid for lines with grounded common neutral termination	Switch disconnector
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					
300 AC / DC					
Rated insulation voltage Ui					
Voltage (V) AC / DC					
300 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
Reversing			110 - 120	1	2
Reversing			220 - 240	1	2
Reversing			277 - 277	1	2
Reversing			110 - 120	3	3
Reversing			220 - 240	3	3
DOL			110 - 120	1	2
DOL			220 - 240	1	2
DOL			277 - 277	1	2
DOL			110 - 120	3	3
DOL			220 - 240	3	3
Pilot duty rating code					
Duty Code					
A300					
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 disconnector 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		
60 - 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	300	20	1	2	1
AC	300	20	3	3	1

CSA

Nominal Voltage

Voltage (V)	AC / DC
300	AC

Rated insulation voltage Ui

Voltage (V)	AC / DC
300	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	110 - 120	3	3	1,50	40
DOL	220 - 240	3	3	3	40

Pilot duty rating code

Duty Code

A300

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	300	20	1	1	1

GENERAL TECHNICAL INFORMATION

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	0.5mm²	Copper
Solid wire	Min.	2	0.5mm²	Copper
Flexible wire	Min.	1	0.75mm²	Copper
Flexible wire	Min.	2	0.75mm²	Copper
Flexible wire	Max.	2	2.5mm²	Copper
Flexible wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	AWG 12	Copper
Single-core or stranded wire	Max.	2	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²	Copper

Stripping length

Length (mm) --



Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,8x4

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
0,60	5

Approbations

Specification	Marking
EAC	
CE marking	
UK Directives	
UL 60947-4-1; CSA C22.2 No. 60947-4-1	
CSA C.22.2 No.14	
GB/T14048.3	

General Information

Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.

General Information

Text

- DC switching capacity applies to ON/OFF switches.
- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.
- After wiring, ALL terminal screws must be tightened to the specified torque values.
- The protection class of the selected mounting type may vary if optional extras are used.
- 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.
- 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.

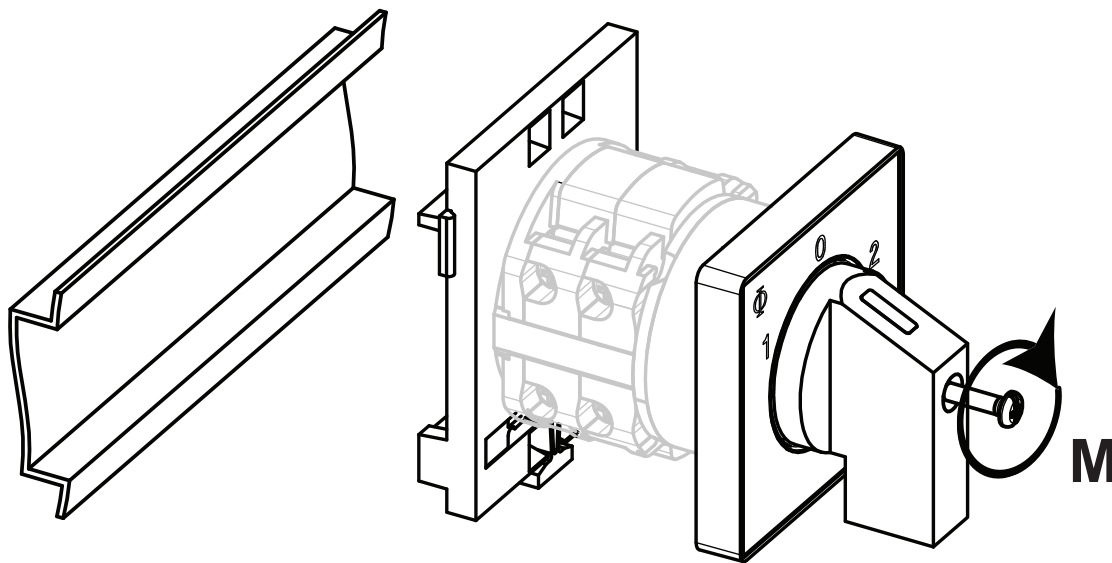
Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-VE1E

EN 60715



IP - Code front side

IP40

Stages

1,00 - 12,00

M

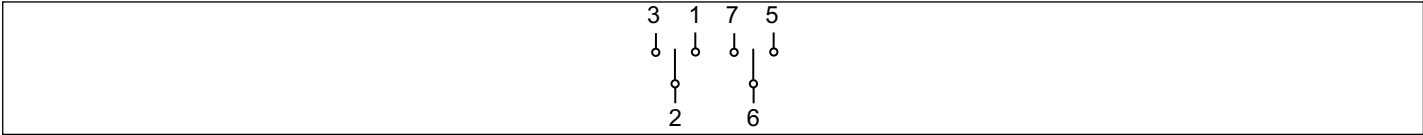
$\vec{M}$

0,50 Nm



Wiring diagram

CA10.A211.VE1E



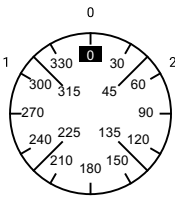
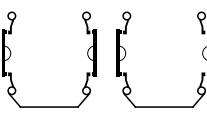
Switch program

CA10.A211.VE1E



Kraus & Naimer

CA10
A211
Page 1 of 1

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													
0	330													
	345													
2	0													
	15													
2	30													
	45													
2	60													
	75													
2	90													
	105													
2	120													
	135													
2	150													
	165													
2	180													
	195													
2	210													
	225													
2	240													
	255													
2	270													
	285													

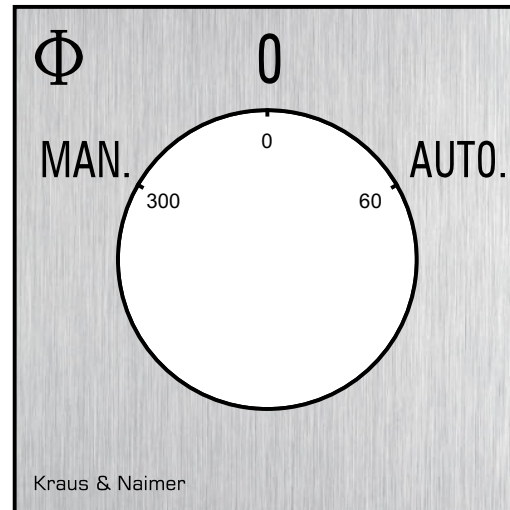
Version: 112

Jumpers

1 ●	● 3	4 ○ — ● 2
5 ●	● 7	8 ○ — ● 6
9 ○	○ 11	12 ○ — ○ 10
13 ○	○ 15	16 ○ — ○ 14
17 ○	○ 19	20 ○ — ○ 18
21 ○	○ 23	24 ○ — ○ 22
25 ○	○ 27	28 ○ — ○ 26
29 ○	○ 31	32 ○ — ○ 30
33 ○	○ 35	36 ○ — ○ 34
37 ○	○ 39	40 ○ — ○ 38
41 ○	○ 43	44 ○ — ○ 42
45 ○	○ 47	48 ○ — ○ 46

Face plate

S0.F373/A1B.PEL



HANDLES

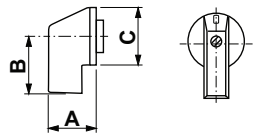
Designation: SOC.G251

Handle colour: "1" black

GENERAL TECHNICAL INFORMATION

Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,8x4



A	22,00 mm	B	23,80 mm	C	27,60 mm
---	----------	---	----------	---	----------