Kraus & Naimer

Sample image

Datasheet

Article number: 70014321
Designation: CH10.A201.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

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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.

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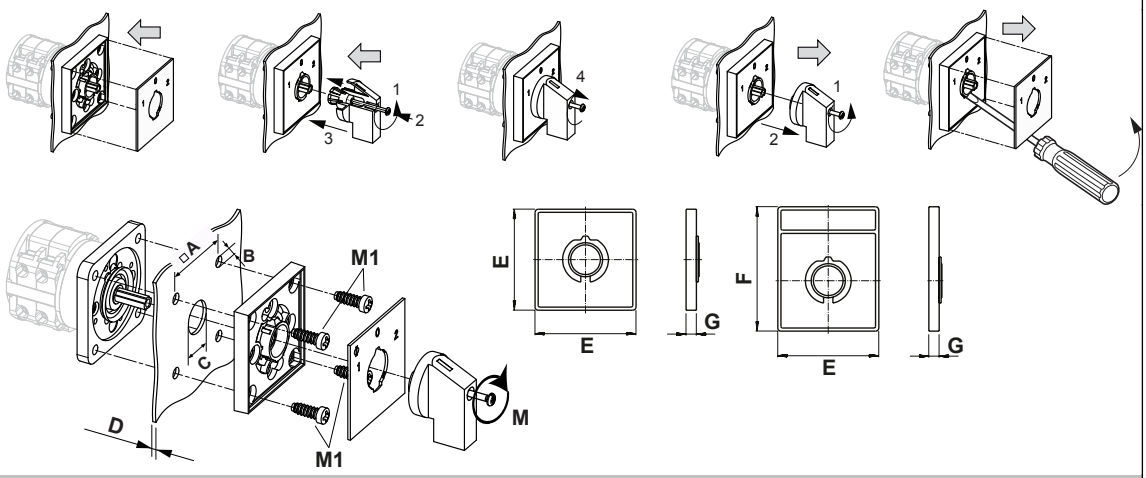
General Information
Text
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.
- Use copper wire only. Do not coat the wire end with tin.
- Terminals with factory fitted jumper links are tightened during production. Take care 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	M	0,50 Nm
M1	M	0,90 Nm

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Wiring diagram

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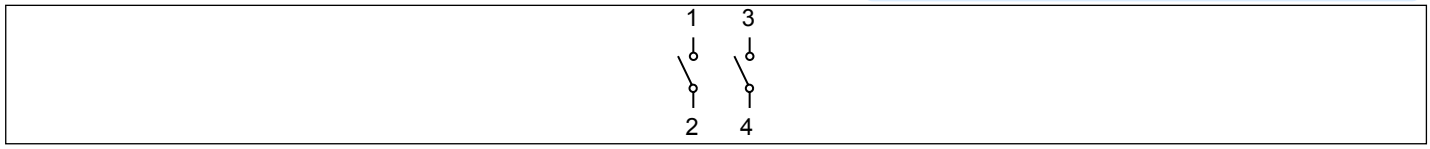

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Switch program

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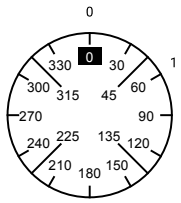
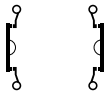
Face Plate





Switching Angle 60
Total switching Angle 60

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

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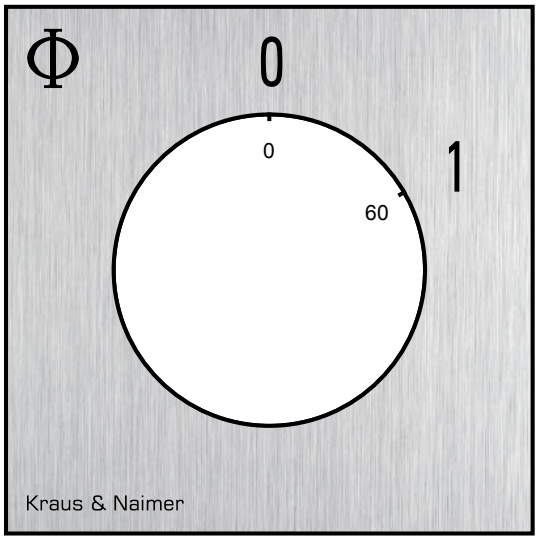
Face plate

S0.F070/A1B.PEL



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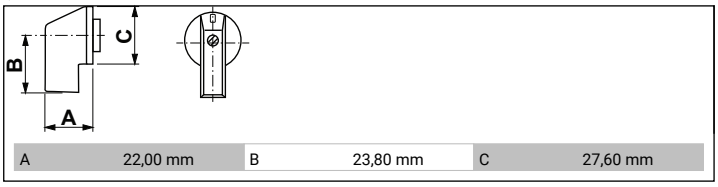
HANDLES

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



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