Kraus & Naimer

Sample image

Datasheet

Article number: 70025927
Designation: CG4.A004.E
Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui

Voltage (V)	AC / DC
440	AC / DC

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
10	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	2,50
AC-15	380 - 440	1,50

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	1,50
AC-3	380 - 440	3	3	2,20
AC-3	220 - 240	1	2	0,55
AC-3	380 - 440	1	2	0,75
AC-23A	220 - 240	3	3	1,80
AC-23A	380 - 440	3	3	3
AC-23A	220 - 240	1	2	0,75
AC-23A	380 - 440	1	2	1,10

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	10

UL60947-4-1 , UL508

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
10	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	0,33	40
DOL	220 - 240	1	2	0,75	40
DOL	277 - 277	1	2	0,75	40
DOL	110 - 120	3	3	0,75	40
DOL	220 - 240	3	3	1	40

Pilot duty rating code

Duty Code
A300

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	120	10	1	1	1
AC	300	10	1	2	1
AC	300	10	3	3	1

CSA

Nominal Voltage

Voltage (V)	AC / DC
300	AC

Rated insulation voltage Ui

Voltage (V)	AC / DC
300	AC

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Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
10	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	0,33	40
DOL	220 - 240	1	2	0,75	40
DOL	277 - 277	1	2	0,75	40
DOL	110 - 120	3	3	0,75	40
DOL	220 - 240	3	3	1	40

Pilot duty rating code

Duty Code
A300

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	120	10	1	1	1
AC	300	10	1	2	1
AC	300	10	3	3	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	AWG 16	Copper
Flexible wire	Max.	2	1.5mm²	Copper
Single-core or stranded wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	1.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	1mm²	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	0,6x3,5

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
0,40	3,50

Approbations

Specification	Marking
EAC	
CE marking	
UK Directives	
CSA C.22.2 No.14	
GB/T14048.3	

General Information

Text

- Use solo alambres de cobre con o sin alambres individuales chapados en estaño/plata. No se permite el estañado posterior de los extremos del conductor.
- 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.
- La clase de protección del tipo de montaje seleccionado puede variar si se utilizan extras opcionales.
- 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)

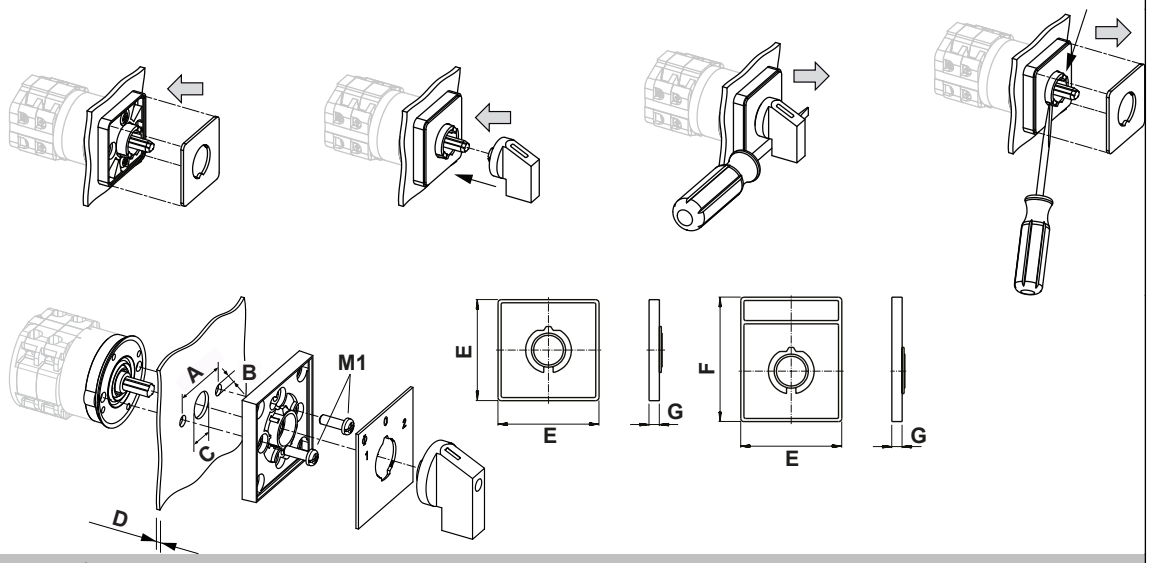
Picture name	Description
	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find 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-E



IP - Code front side		IP40
Stages		1,00 - 8,00
A	H	20,00 mm
B	Ø	3,20 mm
C	Ø	8,00 - 11,00 mm
D	H	<= 4,00 mm
E	H	30,00 mm
F	H	39,00 mm
G	H	5,50 mm
M1	M	0,40 Nm

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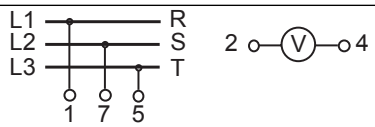
Wiring diagram

CG4.A004.E



Switch program

CG4.A004.E

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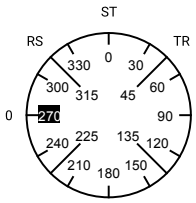
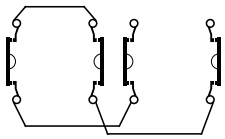
Face Plate





Switching Angle 45
Total switching Angle 135

		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	270												
	285												
	300												
RS	315	■			■								
	330				■								
	345			■	■								
ST	0			■	■								
	15			■									
	30			■									
TR	45		■	■									
	60												
	75												
	90												
	105												
	120												
	135												
	150												
	165												
	180												
	195												
	210												
	225												
	240												
	255												

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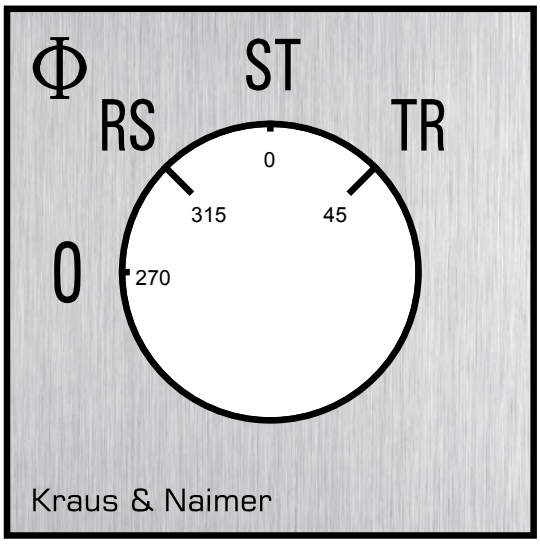
Face plate

S00.F775/A1B.PE



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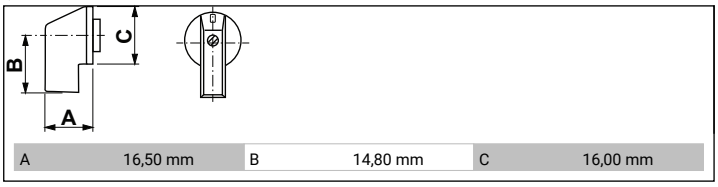
HANDLES

Designation: S00.G251
Handle colour: "1" black



A	16,50 mm	B	14,80 mm	C	16,00 mm