



Sample image

Datasheet

Article number: 70019686

Designation: KG10A.T102/04.E

Description: Switch Global Disconnector

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

Rated insulation voltage Ui

Voltage (V) AC / DC

690 AC

Rated uninterrupted current Iu/Ith

Current (A)

20

Ambient temperature (°C)

50

Peak temperature (°C) additional requirements

55 Ambient temperature +50°C during 24 hours with peaks up to +55°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

2,20

AC-3

380 - 440

3

3

3,70

AC-3

660 - 690

3

3

3,70

AC-3

220 - 240

1

2

1,10

AC-3

380 - 440

1

2

1,50

AC-23A

220 - 240

3

3

3

AC-23A

380 - 440

3

3

5,50

AC-23A

660 - 690

3

3

5,50

AC-23A

220 - 240

1

2

1,50

AC-23A

380 - 440

1

2

2,20

Max Fuse Rating IEC

Fuse characteristic

No. of Fuses

Current (A)

gG

1

20

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)

20

Ambient temperature (°C) Additional Text

0 - 40

–

Horsepower rating

Across-the-Line Motor Starting

Voltage (V)

No. of phases

No. of poles

Power (HP)

Ambient temperature [°C]

DOL

110 - 220

1

2

0,50

40

DOL

220 - 240

1

2

1

40

DOL

277 - 277

1

2

1

40

DOL

110 - 120

3

3

1

40

DOL

220 - 240

3

3

2

40

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 5kA rms symmetrical amperes, 300V ac max. when protected by Class J fuses.

Temp. rating of wire

Temperature rating (°C)

60 - 75

Current (A) Text

– Use copper wire only

Connecting instructions

Markings

Break all lines.

For use on a flat surface of a type 1 enclosure.

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

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	1	2	1	
AC	300	20	3	3	1	
General Information						
Text						
- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.						
- When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.						
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)
DOL			110 - 220	1	2	0,50
DOL			220 - 240	1	2	1
DOL			277 - 277	1	2	1
DOL			110 - 120	3	3	1
DOL			220 - 240	3	3	2
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	277	20	1	1	1	
AC	277	20	3	3	1	
GENERAL TECHNICAL INFORMATION						
Tightening torque of screws						
			tightening torque (Nm)		tightening torque (lb-in)	
			0,60		5	
Stripping length						
			Length (mm) --			
			8 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	0.5mm²		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.	1	AWG 12		Copper
flexible wire		Max.	1	2.5mm²		Copper
Single-core or stranded wire		Max.	1	AWG 12		Copper
Single-core or stranded wire		Max.	1	2.5mm²		Copper
flexible wire with ferrule according to DIN 46228		Max.	1	2.5mm²		Copper
flexible wire with ferrule according to DIN 46228		Min.	1	0.5mm²		Copper
flexible wire with ferrule according to DIN 46228		Min.	2	0.5mm²		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.						

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

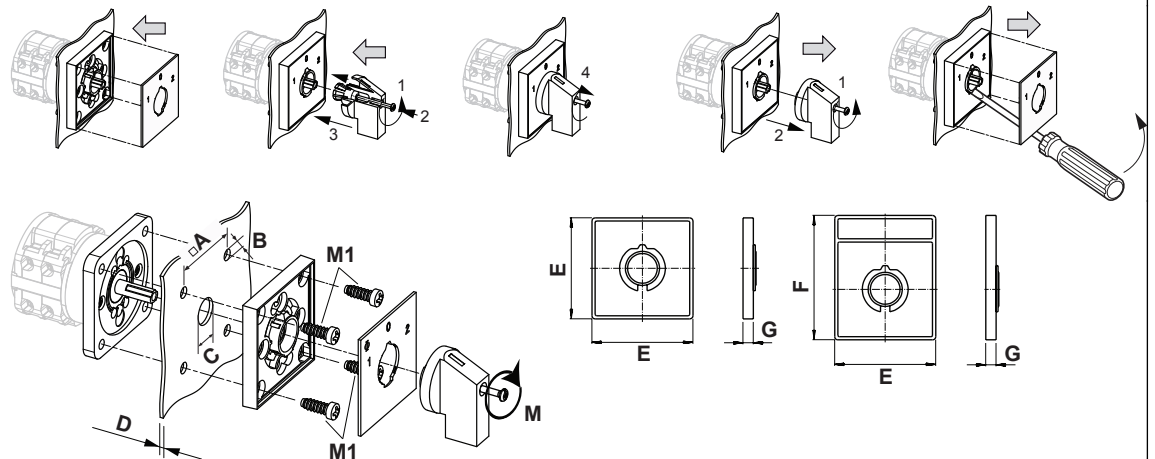
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-E

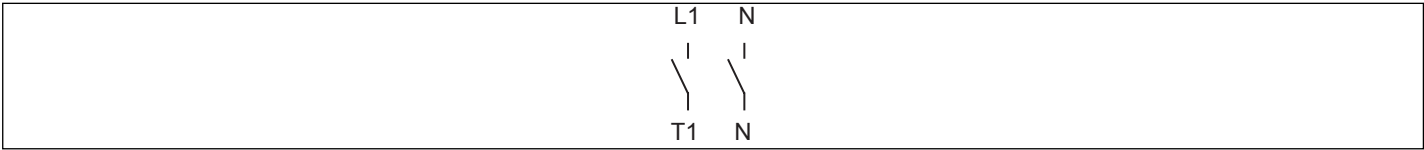


IP - Code front side		IP66, IP67
Stages		1,00 - 12,00
A	□	36,00 mm
B	∅	5,00 mm
C	∅	11,00 - 15,00 mm
D	H	<= 4,00 mm
E	∅	48,00 mm
F	H	59,00 mm
G	H	6,30 mm
M	↺	0,50 Nm
M1	↺	0,90 Nm



Wiring diagram

KG10A.T302.E



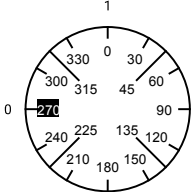
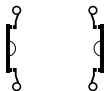
Switch program

KG10A.T302.E



Kraus & Naimer

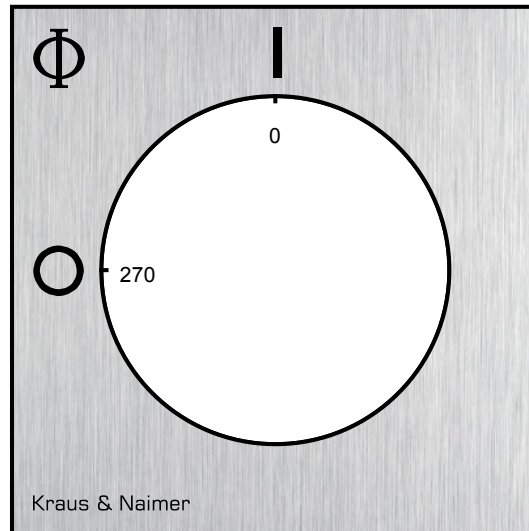
KG10A
T302E
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Face Plate														
	N	T1												
	1	3	5	7	9	11	13	15	17	19	21	23		
			Marking plate: S0D H043 51F											
														
Switching Angle	90		2	4	6	8	10	12	14	16	18	20	22	24
Total switching Angle	90		N	L1										
0	270													
	285													
	300													
	315													
	330													
	345													
1	0													
	15													
	30													
	45													
	60													
	75													
	90													
	105													
	120													
	135													
	150													
	165													
	180													
	195													
	210													
	225													
	240													
	255													

Version: 2

Face plate

S0.F456/A10.E1LH



PADLOCK DEVICE

Designation: S0.V845/A11/A11

Face plate and handle unit: "A" face plate/alu, frame/black, handle/black, locking push rod/red

Locking position: "1" at 09:00/03:00 - knockouts every 45°

Angular displacement: "1" 1 x 90°

Type of mounting: "A" for type of mounting E

Type of mounting: "A" for type of mounting GK

Type of version: "1" for same switch size

Switch type: "1" for C-switches and for KG10.

