

Sample image

Datasheet

Article number: 70008229

Designation: KG10B.T203/01.E

Description: Switch Global Disconnecter

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)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
20	50	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)		Ambient temperature (°C)		Additional Text		
20		0 - 40		--		
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 - 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)		Current (A)		Text		
60 - 75				-- 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	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	--
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 - 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

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

Size of conductor

composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm ²) or (AWG/kcmil)	Material of the wire
solid wire	Min.	1	0.5mm ²	Copper
solid wire	Min.	2	0.5mm ²	Copper
flexible wire	Min.	1	0.75mm ²	Copper
flexible wire	Min.	2	0.75mm ²	Copper
flexible wire	Max.	1	AWG 12	Copper
flexible wire	Max.	1	2.5mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 12	Copper
Single-core or stranded wire	Max.	1	2.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Max.	1	2.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm ²	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

EAC

CE marking

UK Directives

CSA C.22.2 No.14

GB/T14048.3

Marking



General Information

Text

- 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.
- 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



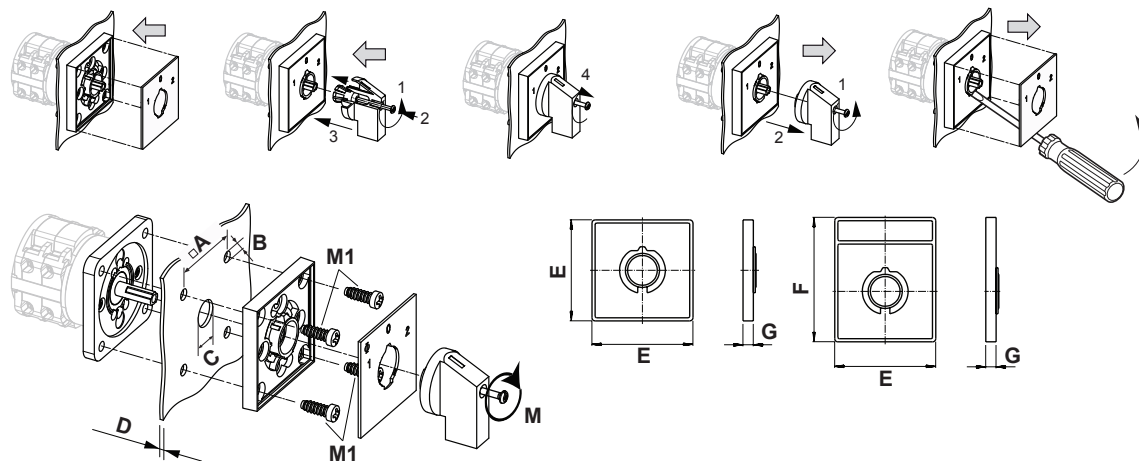
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-E

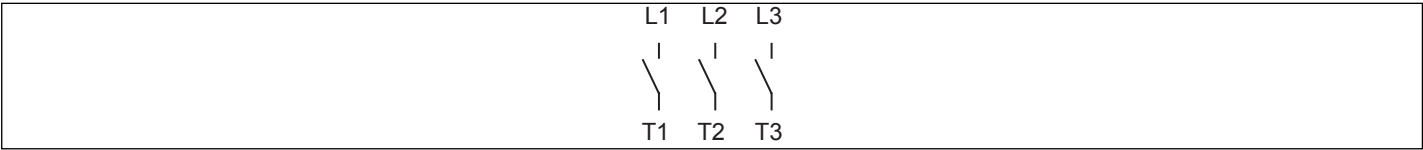


IP - Code front side		IP66, IP67
Stages		1,00 - 12,00
A	□	48,00 mm
B	∅	5,00 mm
C	∅	11,00 - 15,00 mm
D	H	<= 4,00 mm
E	∅	64,00 mm
F	H	78,50 mm
G	H	7,40 mm
M	M̄	0,70 Nm
M1	M̄	0,90 Nm



Wiring diagram

KG10B.T303.E



Switch program

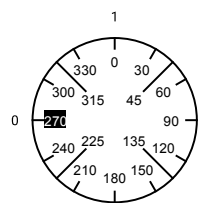
KG10B.T303.E



Kraus & Naimer

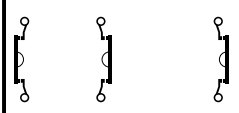
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Face Plate



T3	T1		T2									
1	3	5	7	9	11	13	15	17	19	21	23	

Marking plate: S0D H043 51A



Switching Angle 90

Total switching Angle 90

	2	4	6	8	10	12	14	16	18	20	22	24
	L3	L1		L2								

	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

S1.F456/C10.V11H





Sample image

PADLOCK DEVICE

with F-handle ring

Designation: S1.V840G/D61/A1

Colour of F-handle ring: "D" red

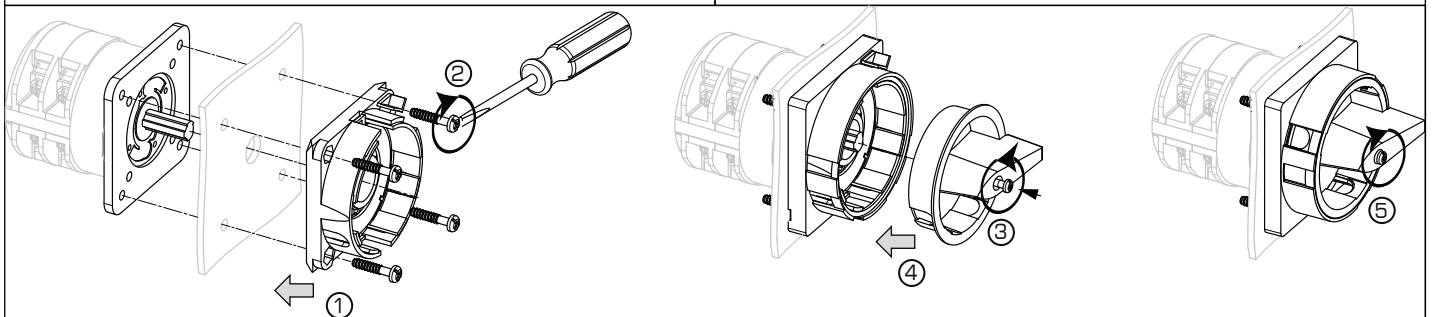
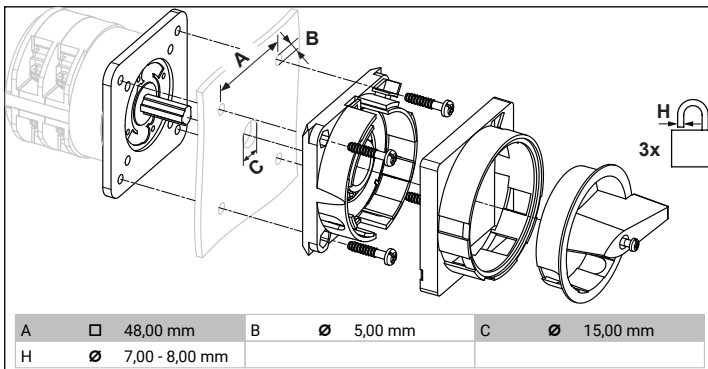
Colour of face ring: "6" yellow

Locking position: "1" at 270° (1x90°)

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

Type of mounting: "A" for type of mounting GK (Rose)

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



MOUNTING

1 + 2 The padlock device has to be mounted by four cylinder head screws from the front.

3 Loosen the screw and

4 Push it into the handle onto the shaft

5 Fasten the screw.



1 Loose handle screw

2 remove handle.

3 Insert a proper auxiliary tool at those points of the frame of the device which are marked by a screw driver on the drawing and remove the frame.

4 Fixing screws can be loosen now.