

Sample image

## Datasheet

**Article number:** 70010249

**Designation:** KG20B.T303.E

**Description:** Switch Local Disconnecter

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

<b>Rated insulation voltage Ui</b>				
Voltage (V) AC / DC				
690 AC				
<b>Rated uninterrupted current Iu/Ith</b>				
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements	
25	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C	
<b>Rated operational current Ie</b>				
Utilization category		Voltage (V)		Current (A)
AC-32A		20 - 400		20
<b>Rated operational power</b>				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	4
AC-3	380 - 440	3	3	5,50
AC-3	660 - 690	3	3	5,50
AC-23A	220 - 240	3	3	5,50
AC-23A	380 - 440	3	3	7,50
AC-23A	660 - 690	3	3	7,50
<b>Max Fuse Rating IEC</b>				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		35

### 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	
25		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	1	40
DOL	220 - 240	1	2	3	40
DOL	277 - 277	1	2	3	40
DOL	415 - 415	1	2	5	40
DOL	440 - 480	1	2	5	40
DOL	550 - 600	1	2	5	40
DOL	110 - 120	3	3	2	40
DOL	200 - 240	3	3	7,50	40
DOL	415 - 415	3	3	10	40
DOL	440 - 480	3	3	15	40
DOL	550 - 600	3	3	20	40

### Pilot duty rating code

Duty Code

A600

### SCCR / Max. fuse rating

Conditions of acceptability

This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses.

Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes at 600V max., when protected by 40A Class J fuses.

### Temp. rating of wire

Temperature rating (°C)		Current (A) Text	
60 - 75		-- --	






### General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	25	1	1	1
AC	600	25	1	2	1
AC	600	25	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.

General Information						
Text						
- 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			
			600 AC			
Rated insulation voltage Ui						
			Voltage (V) AC / DC			
			600 AC			
Rated thermal current						
		Current (A)	Ambient temperature (°C)		Additional Text	
		25	0 - 40		--	
Horsepower rating						
Across-the-Line Motor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL			110 - 120	1	2	1
DOL			220 - 240	1	2	3
DOL			277 - 277	1	2	3
DOL			415 - 415	1	2	5
DOL			440 - 480	1	2	5
DOL			550 - 600	1	2	5
DOL			110 - 120	3	3	2
DOL			220 - 240	3	3	7,50
DOL			415 - 415	3	3	10
DOL			440 - 480	3	3	15
DOL			550 - 600	3	3	20
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	25	1	1	1	
AC	600	25	1	2	1	
AC	600	25	3	3	1	
GENERAL TECHNICAL INFORMATION						
Tightening torque of screws						
			tightening torque (Nm)		tightening torque (lb-in)	
			1,25		11	
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
flexible wire		Max.	1	AWG 10		Copper
flexible wire		Max.	1	4mm²		Copper
Single-core or stranded wire		Max.	1	6mm²		Copper
Single-core or stranded wire		Max.	1	AWG 10		Copper
flexible wire with sleeve		Max.	1	4mm²		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			PH2			
Slot screwdriver according to DIN 5264			0,8x4			
General Information						
Text						
- EMC Note: This device is suitable for use in environment A and B.						
- 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.						

## General Information

### Text

- 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.

## Waste Electrical & Electronic Equipment (WEEE)

### Picture name



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](http://www.krausnaimer.com)

## Proposition 65

### Picture name



### Description

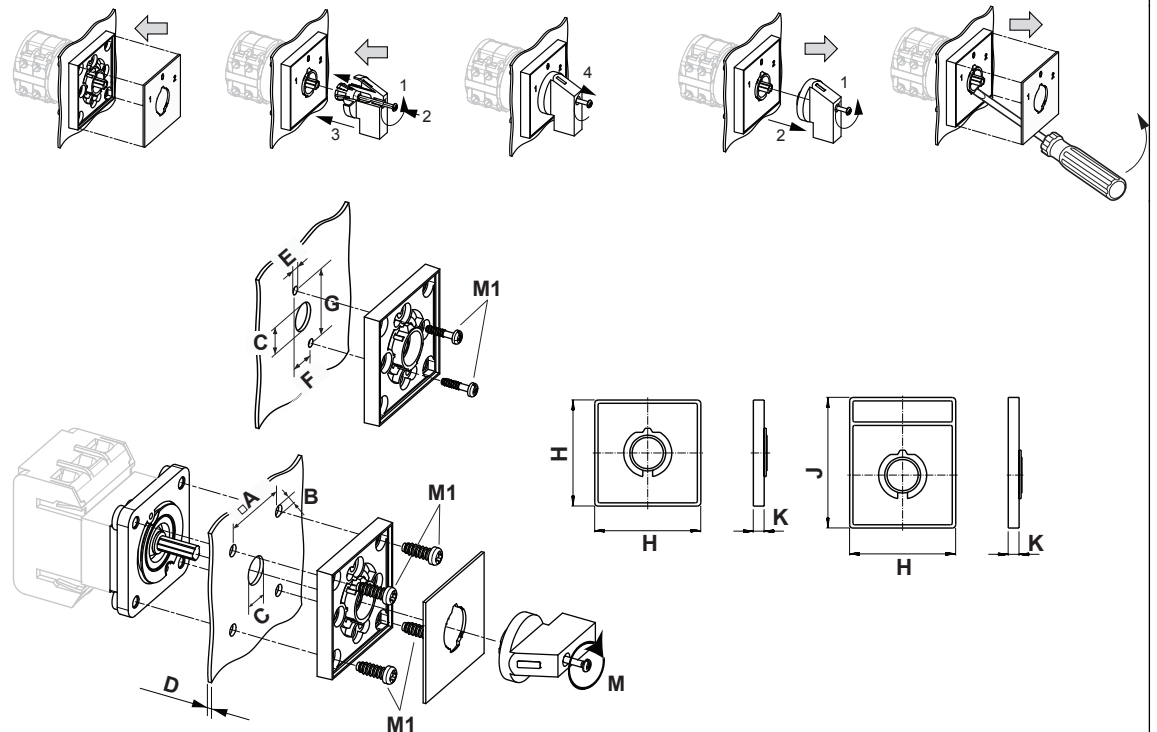
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

## Mounting-E

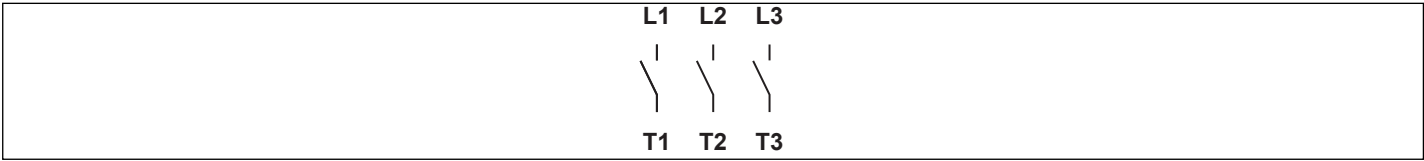


IP - Code front side		IP66, IP67
Stages		1,00 - 12,00
A	□	48,00 mm
B	∅	5,00 mm
C	∅	10,00 - 15,00 mm
D	H	<= 4,00 mm
E	∅	3,50 mm
F	H	12,20 mm
G	H	30,00 mm
H	H	64,00 mm
J	H	78,50 mm
K	H	7,40 mm
M	M̃	0,70 Nm
M1	M̃	0,90 Nm




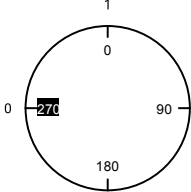

Wiring diagram

KG20B.T303.E



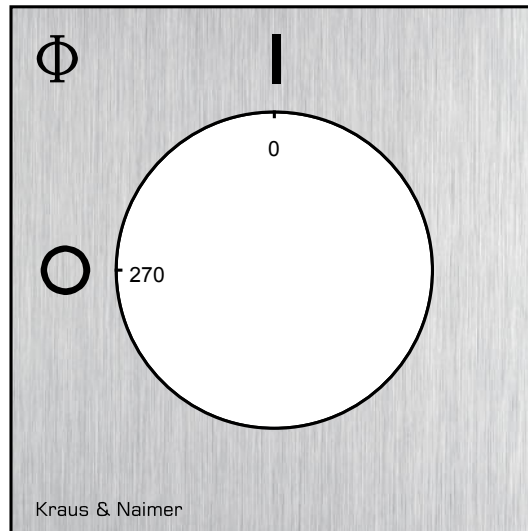
## Switch program

KG20B.T303.E

 Kraus & Naimer		KG20B		T303		Page 1 of 1			
<b>Face Plate</b>									
		L1 1	L2 3	L3 5	7	9	11	13	15
									
Switching Angle <input type="text" value="90"/> Total switching Angle <input type="text" value="90"/>		2 T1	4 T2	6 T3	8	10	12	14	16
0	270								
1	0								
	90								
	180								
Version: 102									

## Face plate

S1.F456/A1B.PEL



## HANDLES

**Designation:** S1B.G251

**Handle colour:** "1" black

