

Sample image

Datasheet

Article number: 70010249

Designation: KG20B.T303.E

Description: Switch Local 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	
25	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-32A		20 - 400		20
Rated operational power				
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
Max Fuse Rating IEC				
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						
<i>Across-the-Line Motor Starting</i>		<i>Voltage (V)</i>	<i>No. of phases</i>	<i>No. of poles</i>	<i>Power (HP)</i>	<i>Ambient temperature [°C]</i>
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)	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			220 - 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							
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

Proposition 65

Picture name



Description

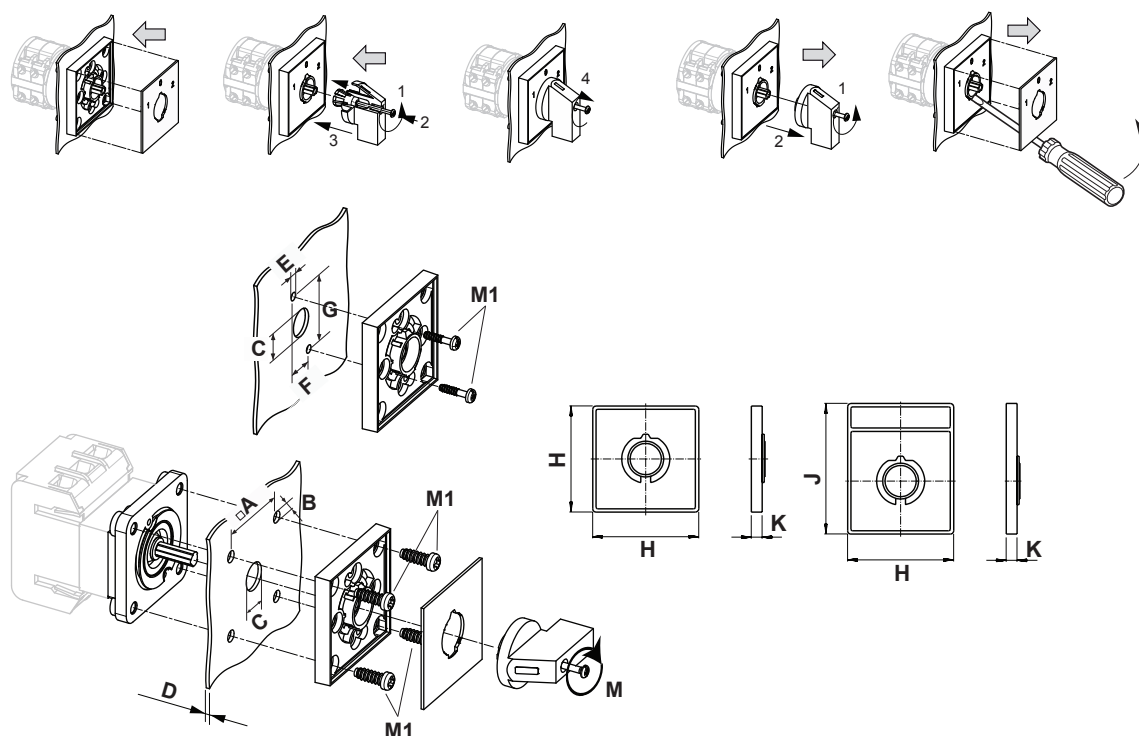
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-E

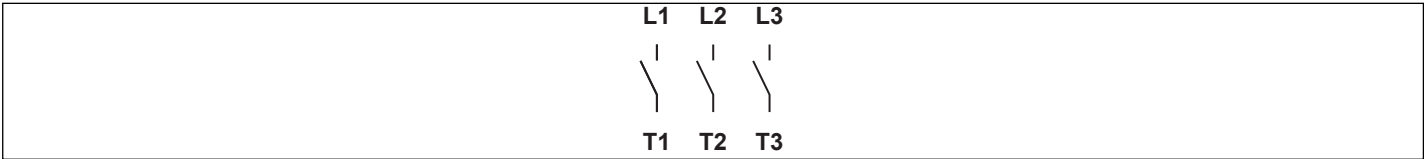


IP - Code front side		IP66, IP67
Stages		1,00 - 12,00
A	□	48,00 mm
B	∅	5,00 mm
C	∅	10,00 - 15,00 mm
D	H	<= 4,00 mm
E	∅	3,50 mm
F	H	12,20 mm
G	H	30,00 mm
H	H	64,00 mm
J	H	78,50 mm
K	H	7,40 mm
M	M̂	0,70 Nm
M1	M̂	0,90 Nm



Wiring diagram

KG20B.T303.E



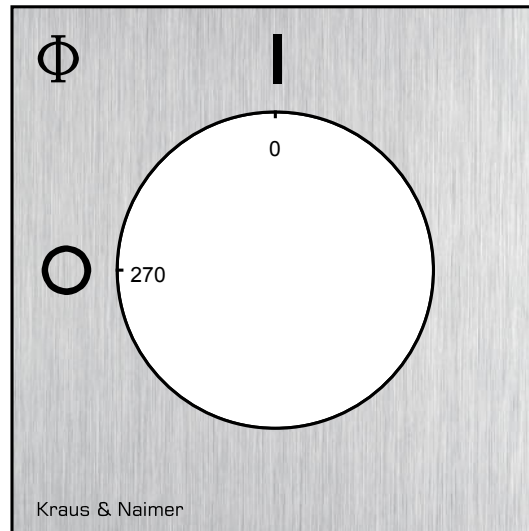
Switch program

KG20B.T303.E

 Kraus & Naimer		KG20B		T303		Page 1 of 1			
Face Plate 		L1 1	L2 3	L3 5	7	9	11	13	15
									
Switching Angle 90 Total switching Angle 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

