

Sample image

Datasheet

Article number: 70010872

Designation: KG250.T103/05.E

Description: Switch Global Disconnecter

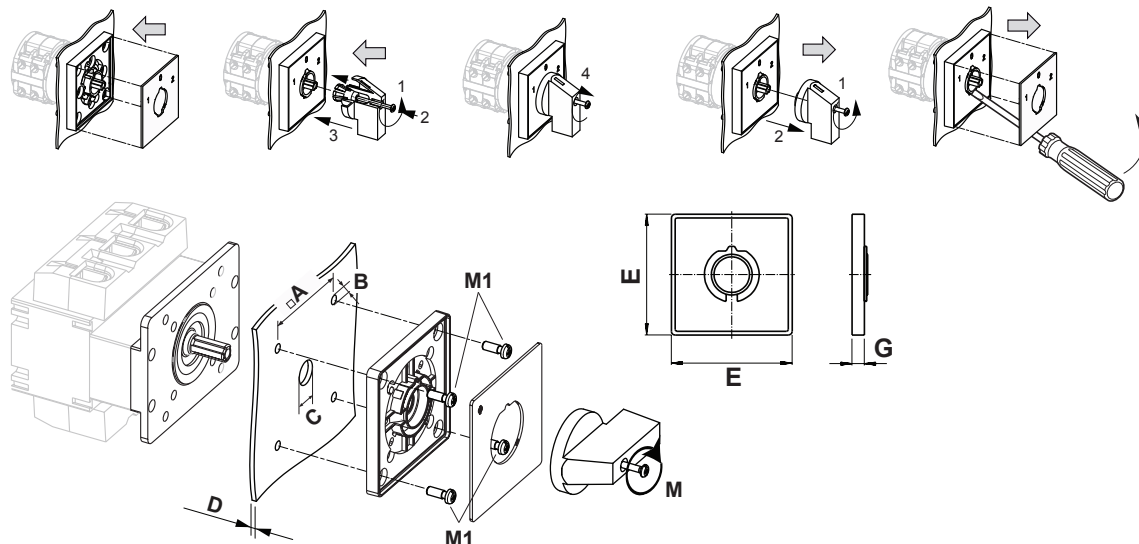
IEC 60947-3 EN 60947-3, VDE 0660 Teil 107					
Rated insulation voltage Ui					
Voltage (V) AC / DC 1000 AC					
Rated uninterrupted current Iu/Ith					
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements		
250	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C		
Rated operational power					
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3	220 - 240	3	3	37	
AC-3	380 - 440	3	3	55	
AC-3	660 - 690	3	3	40	
AC-23A	220 - 240	3	3	37	
AC-23A	380 - 440	3	3	90	
AC-23A	660 - 690	3	3	45	
Max Fuse Rating IEC					
Fuse characteristic	No. of Fuses			Current (A)	
gG	1			250	
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	
250		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	15	40
DOL	220 - 240	1	2	30	40
DOL	277 - 277	1	2	30	40
DOL	440 - 480	1	2	45	40
DOL	550 - 600	1	2	50	40
DOL	110 - 120	3	3	30	40
DOL	220 - 240	3	3	60	40
DOL	440 - 480	3	3	75	40
DOL	550 - 600	3	3	75	40
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 400A Class J fuses.					
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	250	1	1	1
AC	600	250	1	2	1
AC	600	250	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.					
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	
250		0 - 40		--	
Horsepower rating					
Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)
		110 - 120	1	2	15
		220 - 240	1	2	30
		277 - 277	1	2	30
		440 - 480	1	2	45
		550 - 600	1	2	50
		110 - 120	3	3	30
		220 - 240	3	3	60
		440 - 480	3	3	75
		550 - 600	3	3	75
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	250	1	1	1
AC	600	250	1	2	1
AC	600	250	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	16mm²		Copper
flexible wire	Max.	1	MCM 300		Copper
flexible wire	Max.	1	150mm²		Copper
flexible wire	Min.	1	25mm²		Copper
Single-core or stranded wire	Max.	1	185mm²		Copper
Single-core or stranded wire	Max.	1	MCM 350		Copper
flexible wire with sleeve	Max.	1	120mm²		Copper
flexible wire with ferrule according to DIN 46228	Min.	1	16mm²		Copper
Stripping length					
Length (mm) --					
					
22					
Recommended screw driver					
Type of screw driver	Value				
Hex key	6				
Tightening torque of screws					
tightening torque (Nm)			tightening torque (lb-in)		
16			140		
Approbations					
Specification				Marking	
EAC					
CE marking					
UK Directives					
CSA C.22.2 No.14					
GB/T14048.3					
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.					
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

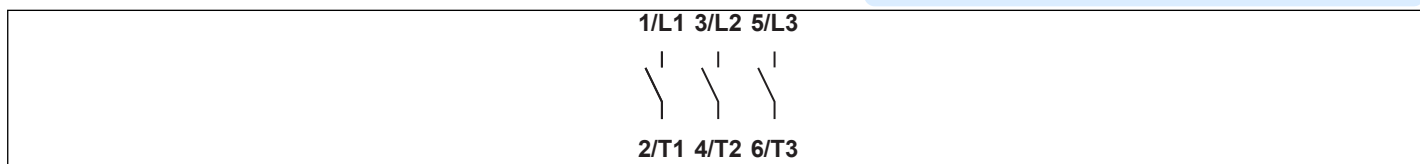
Mounting-E



IP - Code front side		IP66, IP67
Stages		1,00 - 5,00
A	□	68,00 mm
B	∅	6,00 mm
C	∅	13,00 - 17,00 mm
D	H	<= 5,50 mm
E	H	88,00 mm
G	H	8,50 mm
M	M̃	1,20 Nm
M1	M̃	1,50 Nm

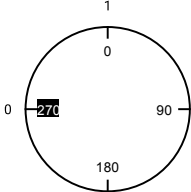
Wiring diagram

KG250.T303.E



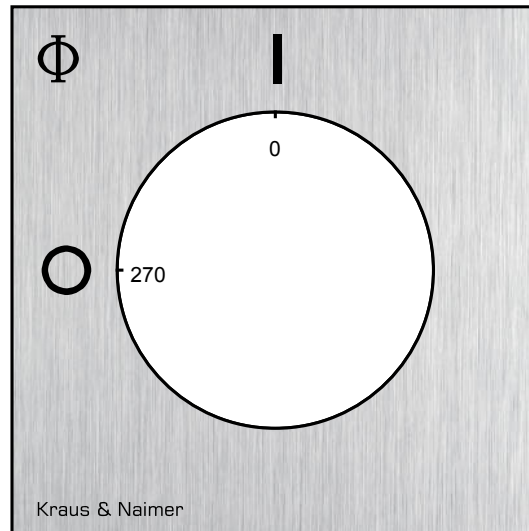
Switch program

KG250.T303.E

 Kraus & Naimer		KG250		T303		Seite 1 von 1			
Frontschild									
		1/L1 1	3/L2 3	5/L3 5	7	9	11	13	15
									
Schaltwinkel 90 Gesamtschaltwinkel 90		2 2/T1	4 4/T2	6 6/T3	8	10	12	14	16
0	270								
1	0								
	90								
	180								
Version: 84									

Face plate

S1.F456/A10.M1H



PADLOCK DEVICE

Designation: S2.V845/A11/A12

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

Locking position: "1" at 270°+90° - knockouts every 45°

Angular displacement: "1" 1 x 90°

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

Type of version: "1" for same switch size

Switch type: "2" for KA-, KG- and KH(R)-switches

