

Sample image

Datasheet

Article number: 70010141

Designation: KG125.T103/04.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			
125	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		125	
Rated operational power						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3	220 - 240	3	3	22		
AC-3	380 - 440	3	3	37		
AC-3	660 - 690	3	3	30		
AC-23A	220 - 240	3	3	30		
AC-23A	380 - 440	3	3	45		
AC-23A	660 - 690	3	3	37		
Max Fuse Rating IEC						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		125	
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			
	150	0 - 40	ON-OFF switch (Valid when connected with wire rated for 75°C)			
	125	0 - 40	Change over switch (Valid when connected with wire rated for 75°C)			
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	7,50	40
DOL		220 - 240	1	2	20	40
DOL		277 - 277	1	2	20	40
DOL		440 - 480	1	2	35	40
DOL		550 - 600	1	2	35	40
DOL		110 - 120	3	3	15	40
DOL		220 - 240	3	3	30	40
DOL		440 - 480	3	3	60	40
DOL		550 - 600	3	3	60	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 300A 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	125	1	1	1	
AC	277	150	1	1	1	
AC	600	150	1	2	1	
AC	600	150	3	3	1	
AC double-throw function	600	125	1	2	1	
AC double-throw function	600	125	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
150 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	7,50	40
DOL	220 - 240	1	2	20	40
DOL	277 - 277	1	2	20	40
DOL	440 - 480	1	2	35	40
DOL	550 - 600	1	2	35	40
DOL	110 - 120	3	3	15	40
DOL	220 - 240	3	3	30	40
DOL	440 - 480	3	3	60	40
DOL	550 - 600	3	3	60	40

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	150	1	1	1
AC	600	150	1	2	1
AC	600	150	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	6mm²	Copper
flexible wire	Max.	1	70mm²	Copper
flexible wire	Min.	1	16mm²	Copper
flexible wire	Max.	1	AWG 2/0	Copper
Single-core or stranded wire	Max.	1	95mm²	Copper
Single-core or stranded wire	Max.	1	AWG 3/0	Copper
flexible wire with sleeve	Max.	1	70mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	10mm²	Copper

Stripping length

Length (mm) --



Recommended screw driver

Type of screw driver

Hex key Value

5

Tightening torque of screws

tightening torque (Nm) tightening torque (lb-in)
14 125

Approbations

Specification

EAC

CE marking

UK Directives

CSA C.22.2 No.14

GB/T14048.3

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.

- 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.

Marking



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



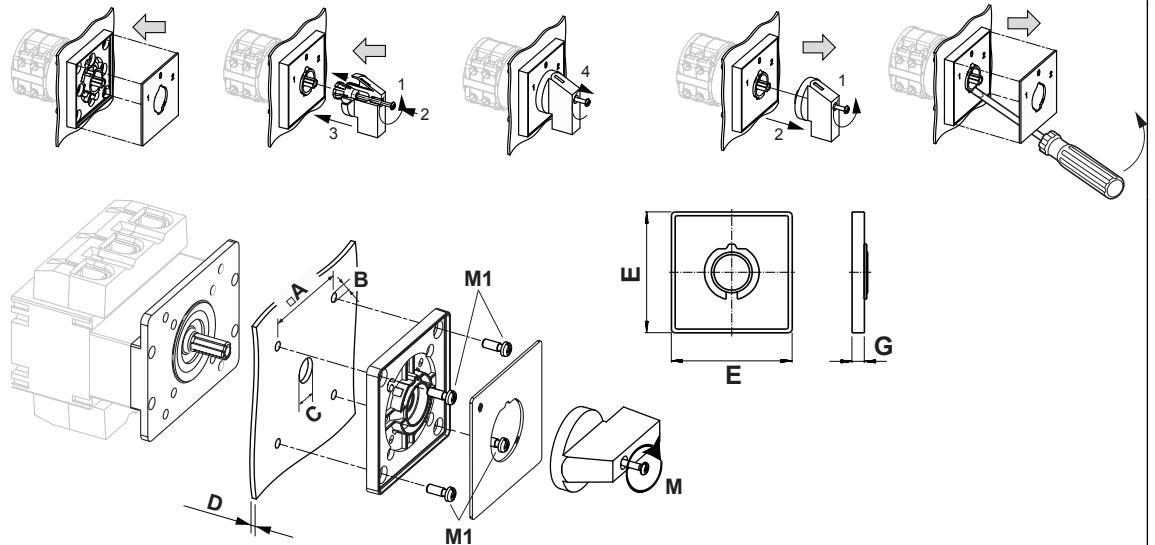
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-E

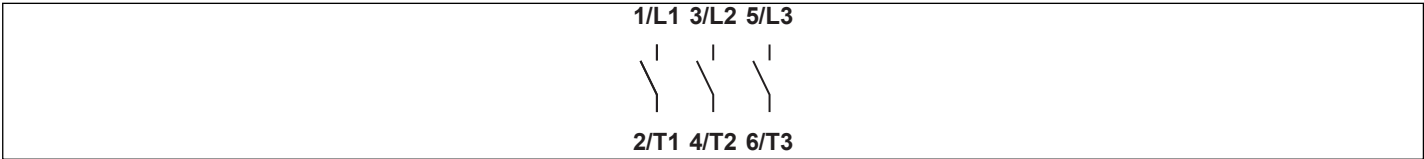


IP - Code front side		IP66, IP67
Stages		1,00 - 12,00
A	□	68,00 mm
B	∅	6,00 mm
C	∅	13,00 - 17,00 mm
D	H	<= 5,50 mm
E	H	88,00 mm
G	H	8,50 mm
M	M̂	1,20 Nm
M1	M̂	1,50 Nm



Wiring diagram

KG125.T303.E



Switch program

KG125.T303.E



Kraus & Naimer

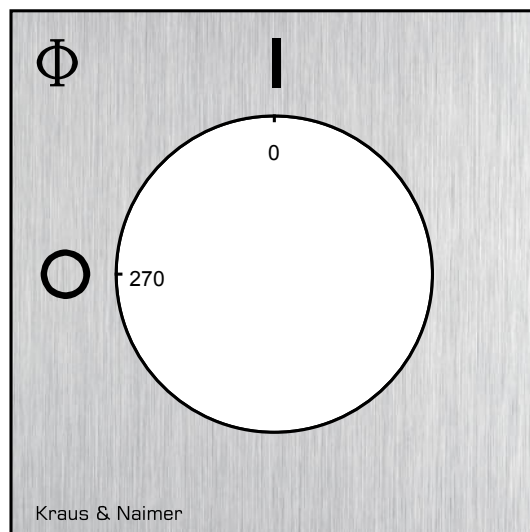
KG125
T303
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Face Plate									
	1	1/L1	3/L2	5/L3					
	0	1	3	5	7	9	11	13	15
									
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16
		2/T1	4/T2	6/T3					
0	270								
1	0	■	■	■					
	90								
	180								

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

