



Sample image

Datasheet

Article number: 70022094

Designation: KG100.T103/D-A068.KL71V

Description: Switch

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	
100	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		100
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	18,50
AC-3	380 - 440	3	3	30
AC-3	660 - 690	3	3	22
AC-23A	220 - 240	3	3	22
AC-23A	380 - 440	3	3	37
AC-23A	660 - 690	3	3	30
Max Fuse Rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		100
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
100		0 - 40		--
Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110 - 120	1	2	5
DOL	220 - 240	1	2	15
DOL	277 - 277	1	2	15
DOL	415 - 415	1	2	25
DOL	440 - 480	1	2	30
DOL	550 - 600	1	2	30
DOL	110 - 120	3	3	10
DOL	220 - 240	3	3	25
DOL	415 - 415	3	3	40
DOL	440 - 480	3	3	50
DOL	550 - 600	3	3	50
SCCR / Max. fuse rating				
Conditions of acceptability				
These devices are suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses or Circuit Breaker Type SFHA36AT0250, manufactured by General Electric.				
Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by Class J fuses, 100A max.				
Temp. rating of wire				
Temperature rating (°C)		Current (A) Text		
75		-- --		
Connecting instructions				
Markings				
Break all lines.				
General Use				
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles
AC	277	100	1	1
AC	600	100	1	2
AC	600	100	3	3
No. of contacts in series				
1				
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
600 AC

Rated insulation voltage Ui

Voltage (V) AC / DC
600 AC

Rated thermal current

Current (A) Ambient temperature (°C) Additional Text
100 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	5	40
DOL	220 - 240	1	2	15	40
DOL	277 - 277	1	2	15	40
DOL	415 - 415	1	2	25	40
DOL	440 - 480	1	2	30	40
DOL	550 - 600	1	2	30	40
DOL	110 - 120	3	3	10	40
DOL	220 - 240	3	3	25	40
DOL	415 - 415	3	3	40	40
DOL	440 - 480	3	3	50	40
DOL	550 - 600	3	3	50	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	100	1	1	1
AC	600	100	1	2	1
AC	600	100	3	3	1

GENERAL TECHNICAL INFORMATION
Tightening torque of screws

tightening torque (Nm) tightening torque (lb-in)
3 27

Stripping length

Length (mm) -
14 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
solid wire	Min.	1	2.5mm²	Copper
flexible wire	Min.	1	4mm²	Copper
flexible wire	Max.	1	35mm²	Copper
flexible wire	Max.	1	AWG 2	Copper
Single-core or stranded wire	Max.	1	AWG 1/0	Copper
Single-core or stranded wire	Max.	1	50mm²	Copper
flexible wire with sleeve	Max.	1	35mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm²	Copper

Approbations
Specification

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	1,2x6,5

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.

Marking


General Information

Text

- 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



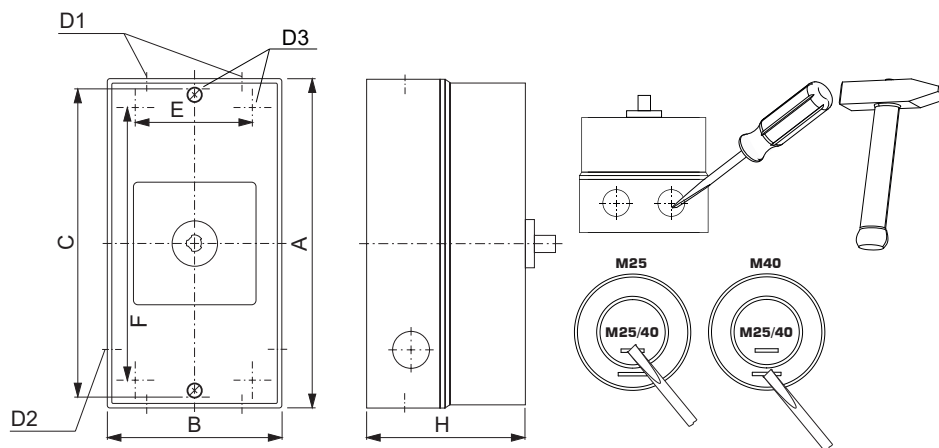
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-KL71V

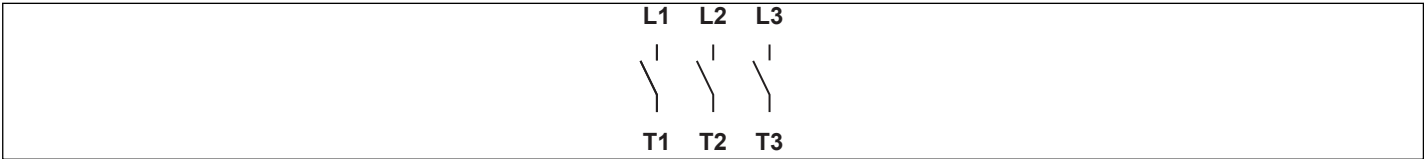


IP - Code front side		IP66, IP67, IP69k
Stages		2,00 - 5,00
A	H	250,00 mm
B	H	145,00 mm
D1	Ø	4,00 x M40/M25
D2	Ø	2,00 x M25
D3	Ø	6,50 mm
E	H	124,00 mm
F	H	229,00 mm
H	H	107,00 mm



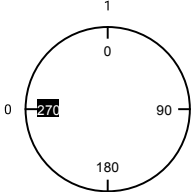
Wiring diagram

KG100.T303.KL71V



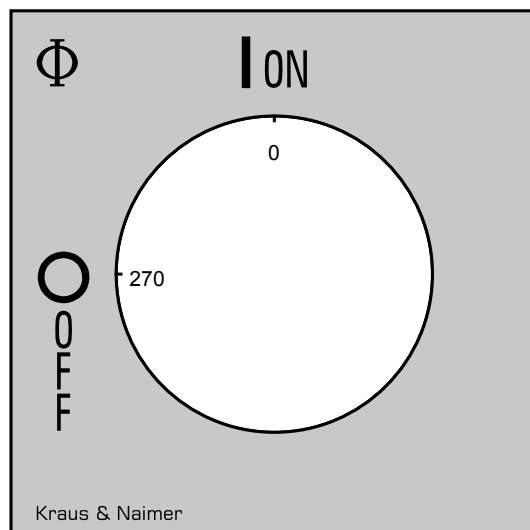
Switch program

KG100.T303.KL71V

 Kraus & Naimer		KG100		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.F656/C10.V9



AUXILIARY CONTACTS (cam operated) for switch type KG20 - KG100C and KH(R)16 - KH(R)25B

Designation: K2.M510A/2CA-B

Number of contacts: "2" 2 auxiliary contacts

Operation of contacts: "C" 1 auxiliary contact closed in pos. 1 and 1 auxiliary contact closed in pos. 0 (NO/NC)

Type of version: "A" 1. auxiliary contact module

Type of mounting: "-B" for type of mounting VE, VE2, silver contacts

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107					
Nominal Voltage					
			Voltage (V) AC / DC		
			690 AC		
Rated uninterrupted current I _u /I _{th}					
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements		
16	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C		
Rated operational current I _e					
Utilization category			Voltage (V)		Current (A)
AC-15			110 - 240		6
AC-15			380 - 440		3
AC-15			500		1,50
AC-21A			20 - 690		16
UL60947-4-1 , UL508					
Nominal Voltage					
			Voltage (V) AC / DC		
			600 AC		
Rated insulation voltage U _i					
			Voltage (V) AC / DC		
			600 AC		
Rated thermal current					
		Current (A)	Ambient temperature (°C)		Additional Text
		10	0 - 40		--
Pilot duty rating code					
Duty Code					
A600					
General Use					
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	600	10	1	1	1
GENERAL TECHNICAL INFORMATION					
Tightening torque of screws					
			tightening torque (Nm)		tightening torque (lb-in)
			0,60		5
Stripping length					
			Length (mm) --		
			8 STRIPPINGLENGTH		
Size of conductor					
composition of conductor	Min. / Max. value	No. of conductor per terminal		Cross section (mm²) or (AWG/kcmil)	
solid wire	Min.	1		0.5mm²	
solid wire	Min.	2		0.5mm²	
flexible wire	Min.	1		0.75mm²	
flexible wire	Min.	2		0.75mm²	
flexible wire	Max.	2		2.5mm²	
flexible wire	Max.	2		AWG 14	
Single-core or stranded wire	Max.	2		AWG 12	
Single-core or stranded wire	Max.	2		2.5mm²	
flexible wire with ferrule according to DIN 46228	Max.	2		2.5mm²	
				Conner	

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 with ferrule according to DIN 46228	Min.	1	0.5mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²	Copper
Recommended screw driver				
Type of screw driver	Value			
Cross Screwdriver	PH1			
Slot screwdriver according to DIN 5264	0,8x4			
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.				
1321 1422				