



Sample image

Datasheet

Article number: 70021928

Designation: KG32.T103/40.KL51V

Description: Switch Global 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		
32	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		32
Rated operational power					
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3	220 - 240	3	3	5,50	
AC-3	380 - 440	3	3	7,50	
AC-3	660 - 690	3	3	7,50	
AC-23A	220 - 240	3	3	5,50	
AC-23A	380 - 440	3	3	11	
AC-23A	660 - 690	3	3	11	
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	
30		0 - 40		--	
Horsepower rating					
Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL		110 - 120	1	2	1,50
DOL		200 - 208	1	2	3
DOL		220 - 240	1	2	5
DOL		277 - 277	1	2	5
DOL		415 - 415	1	2	5
DOL		440 - 480	1	2	7,50
DOL		550 - 600	1	2	7,50
DOL		110 - 120	3	3	3
DOL		200 - 240	3	3	10
DOL		415 - 415	3	3	10
DOL		440 - 480	3	3	20
DOL		550 - 600	3	3	25
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	30	1	1	1
AC	600	30	1	2	1
AC	600	30	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.						
- 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	
		30	0 - 40		--	
Horsepower rating						
Across-the-Line Motor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL			110 - 120	1	2	1,50
DOL			220 - 240	1	2	5
DOL			277 - 277	1	2	5
DOL			415 - 415	1	2	5
DOL			440 - 480	1	2	7,50
DOL			550 - 600	1	2	7,50
DOL			110 - 120	3	3	3
DOL			220 - 240	3	3	10
DOL			415 - 415	3	3	10
DOL			440 - 480	3	3	20
DOL			550 - 600	3	3	25
DOL						
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	30	1	1	1	
AC	600	30	1	2	1	
AC	600	30	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	0.75mm²		Copper
solid wire	Min.		2	0.5mm²		Copper
flexible wire	Min.		2	0.75mm²		Copper
flexible wire	Max.		1	AWG 10		Copper
flexible wire	Max.		1	4mm²		Copper
flexible wire	Min.		1	1.5mm²		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
flexible wire with ferrule according to DIN 46228	Min.		1	0.75mm²		Copper
flexible wire with ferrule according to DIN 46228	Min.		2	0.5mm²		Copper

Stripping length	
Length (mm) --	
	

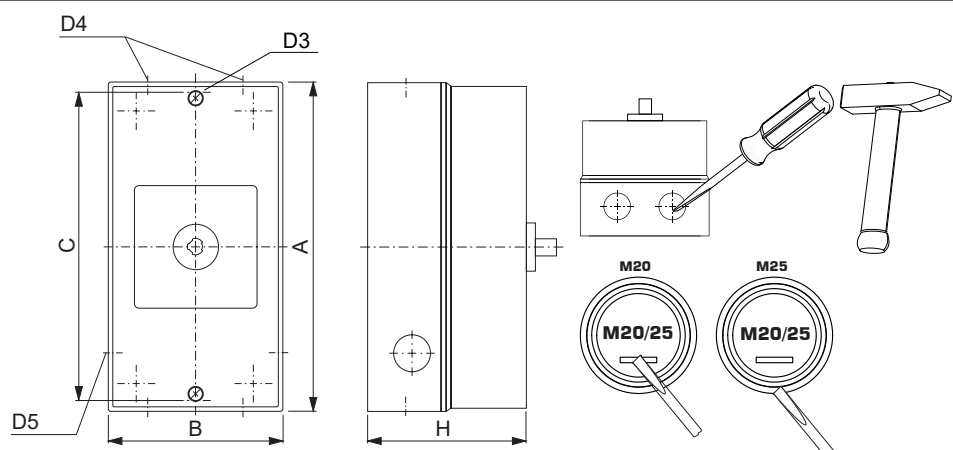
Recommended screw driver	
Type of screw driver	Value
Cross Screwdriver	PH2
Slot screwdriver according to DIN 5264	0,8x4

Tightening torque of screws	
tightening torque (Nm)	tightening torque (lb-in)
1,25	11

Approbations	
Specification	
Marking	
EAC	
CE marking	
UK Directives	
CSA C.22.2 No.14	

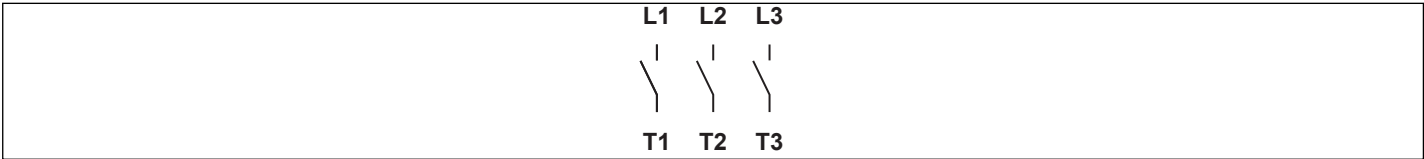
Approbations	
Specification	Marking
GB/T14048.3	 GB/T14048.3
General Information	
Text	
- EMC Note: This device is suitable for use in environment A and B. - Do not lubricate or treat contacts. - Switches may only be mounted, connected and set into operation by qualified persons according to the accepted 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.	
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-KL51V		
		
IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 5,00
A	H	160,00 mm
B	H	85,00 mm
C	H	150,00 mm
D3	Ø	4,20 mm
D4	Ø	4,00 x M20/M25
D5	Ø	2,00 x M20
H	H	82,00 mm

Wiring diagram

KG32.T303.KL51V



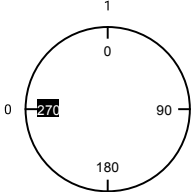
Switch program

KG32.T303.KL51V



Kraus & Naimer

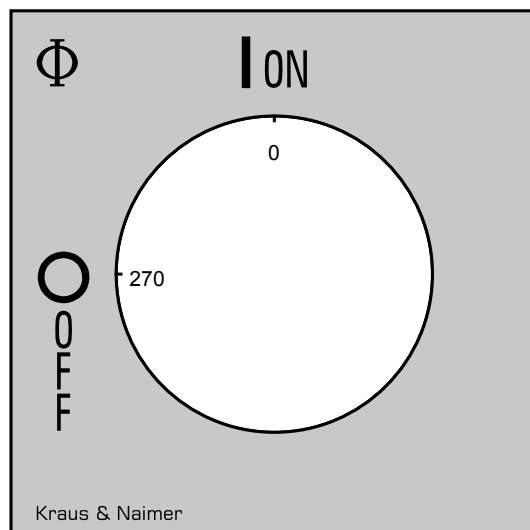
KG32
T303
Page 1 of 1

Face Plate										
		L1	L2	L3						
		1	3	5	7	9	11	13	15	
										
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16	
		T1	T2	T3						
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: K0.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

500 AC

690 AC

Rated uninterrupted current Iu/Ith

Current (A) Ambient temperature (°C) Peak temperature (°C) additional requirements

10 55 60 Ambient temperature +55°C during 24 hours with peaks up to +60°C

16 55 60 Ambient temperature +55°C during 24 hours with peaks up to +60°C

Rated operational current Ie

Utilization category

Voltage (V)

Current (A)

AC-15 110 - 240 2,50

AC-15 380 - 440 1,50

AC-15 500 1

AC-21A 500 10

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

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

Size of conductor

composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm ²) or (AWG/kcmil)	Material of the wire
solid wire	Min.	1	0.5mm ²	Copper
solid wire	Min.	2	0.5mm ²	Copper
flexible wire	Min.	1	0.75mm ²	Copper
flexible wire	Min.	2	0.75mm ²	Copper
flexible wire	Max.	2	AWG 16	Copper
flexible wire	Max.	2	1.5mm ²	Copper
Single-core or stranded wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	1.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Max.	2	1mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm ²	Copper

Stripping length

Length (mm) --



Recommended screw driver

Type of screw driver

Value

Cross Screwdriver

PH1

Slot screwdriver according to DIN 5264

0,6x3,5

Tightening torque of screws

tightening torque (Nm)

tightening torque (lb-in)

0,60

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.
- Use copper wire only. Do not coat the wire end with tin.

13	21
14	22