



Sample image

Datasheet

Article number: 70010858

Designation: KG20.T103/40.KL51V

Description: Switch Global Disconnecter

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107					
Tension assignée d'isolement Ui					
Tension (V) AC / DC					
690 AC					
Courant Ininterrompu et thermique conventionnel Iu/Ith					
Intensité (A)	Température Ambiante (°)	Température Maxi (°)	Spécification complémentaire		
25	50	55	Température ambiante +50°C durant 24 heures avec point à +55°C		
Courant assigné d'emploi Ie					
Catégorie d'emploi			Tension (V)		Intensité (A)
AC-32A			20 - 400		20
Puissance assignée d'emploi					
Catégorie d'emploi	Tension (V)	Nb de phases		Nb de pôles	Puissance (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
Protection par fusible (IEC)					
Caractéri				Nombre de fusible	Intensité (A)
gG				1	35
UL60947-4-1 , UL508					
Nominal Voltage					
Tension (V) AC / DC					
600 AC					
Tension assignée d'isolement Ui					
Tension (V) AC / DC					
600 AC					
Rated thermal current					
Intensité (A)		Température Ambiante (°) Additional Text			
25		0 - 40 --			
Horsepower rating					
Across-the-Line Motor Starting	Tension (V)	Nb de phases	Nb de pôles	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	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)			Intensité (A) Text		
60 - 75			-- --		
General Use					
AC / DC	Tension (V)	Intensité (A)	Nb de phases	Nb de pôles	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						
			Tension (V) AC / DC			
			600 AC			
Tension assignée d'isolement Ui						
			Tension (V) AC / DC			
			600 AC			
Rated thermal current						
		Intensité (A)	Température Ambiante (°)		Additional Text	
		25	0 - 40		--	
Horsepower rating						
Across-the-Line Motor Starting	Tension (V)	Nb de phases	Nb de pôles	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)	Intensité (A)		Text	
		75	--		--	
General Use						
AC / DC	Tension (V)	Intensité (A)	Nb de phases	Nb de pôles	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						
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) --			
						
Recommandations concernant le tournevis						
Type	Value					
Tournevis cruciforme	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						
GB/T14048.3						

General Information

Text

- EMC Note: This device is suitable for use in environment A and B.
- Ne jamais lubrifier ou traiter les contacts.
- Les commutateurs ne peuvent être montés, branchés et mis en service que par une personne qualifiée selon les règles techniques en vigueur.
- Use copper wire only. Do not coat the wire end with tin.
- Les bornes qui ne sont pas supposées être utilisées pour le raccordement de l'appareil sont livrées serrées et ne doivent pas être desserrées. Si toutefois ces bornes sont malgré tout ouvertes accidentellement, vérifier qu'aucun shunt n'est manquant. Le câblage terminé, s'assurer que toutes les bornes sont serrées.

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



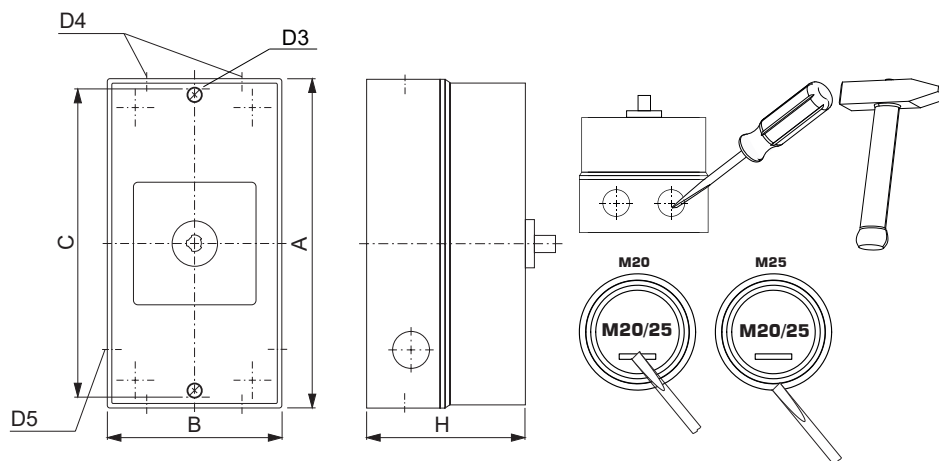
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Type de contacts: Rigid contact bridge

Revêtement des Contacts: Silver

Types de raccordement: Screw terminal

Mounting-KL51V

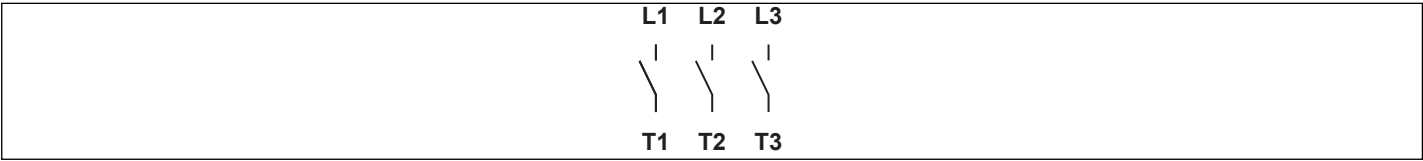


IP - Code front side	IP66, IP67, IP69k
Stages	1,00 - 5,00
A	H 160,00 mm
B	H 85,00 mm
C	H 150,00 mm
D3	Ø 4,20 mm
D4	Ø 4,00 x M20/M25
D5	Ø 2,00 x M20
H	H 82,00 mm



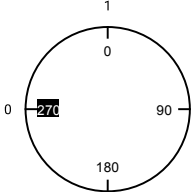
Wiring diagram

KG20.T303.KL51V



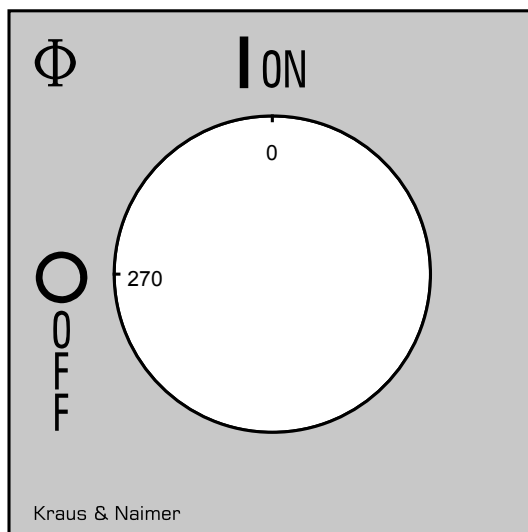
Switch program

KG20.T303.KL51V

 Kraus & Naimer		KG20		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: 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

Tension (V) AC / DC
500 AC
690 AC

Courant ininterrompu et thermique conventionnel lu/lth

Intensité (A)	Température Ambiante (°)	Température Maxi (°)	Spécification complémentaire
10	55	60	Température ambiante +55°C durant 24 heures avec point à +60°C
16	55	60	Température ambiante +55°C durant 24 heures avec point à +60°C

Courant assigné d'emploi le

Catégorie d'emploi	Tension (V)	Intensité (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

Tension (V) AC / DC
600 AC

Tension assignée d'isolement Ui

Tension (V) AC / DC
600 AC

Rated thermal current

Intensité (A)	Température Ambiante (°)	Additional Text
10	0 - 40	--

Pilot duty rating code

Duty Code
A600

General Use

AC / DC	Tension (V)	Intensité (A)	Nb de phases	Nb de pôles	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) --
6

Recommandations concernant le tournevis

Type	Value
Tournevis cruciforme	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

- Ne jamais lubrifier ou traiter les contacts.
- Les commutateurs ne peuvent être montés, branchés et mis en service que par une personne qualifiée selon les règles techniques en vigueur.
- Use copper wire only. Do not coat the wire end with tin.

13	21
14	22