



Sample image

Datasheet

Article number: 70023993

Designation: KG20.T103/40.KS51V

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						
Tightening torque of screws						
			tightening torque (Nm)	tightening torque (lb-in)		
			1,25	11		
Stripping length						
			Length (mm)	--		
			9	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	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	
Approbations						
Specification			Marking			
EAC						
CE marking						
UK Directives						
CSA C.22.2 No.14						
GB/T14048.3						
Recommandations concernant le tournevis						
Type			Value			
Tournevis cruciforme			PH2			
Slot screwdriver according to DIN 5264			0,8x4			
General Information						
Text						
- EMC Note: This device is suitable for use in environment A and B.						

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.
- 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

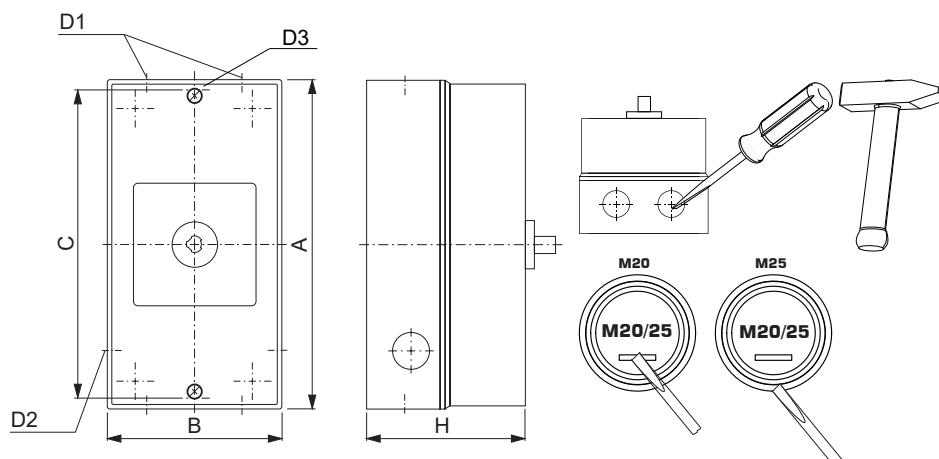
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Type de contacts: Rigid contact bridge

Revêtement des Contacts: Silver

Types de raccordement: Screw terminal

Mounting-KS51V

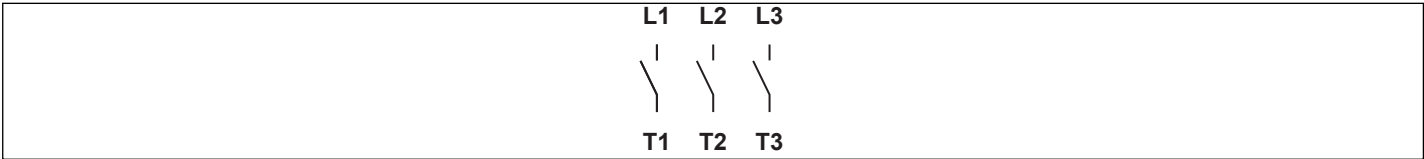


IP - Code front side	IP66, IP67, IP69k
Stages	1,00 - 5,00
A	H 121,00 mm
B	H 86,00 mm
C	H 110,00 mm
D1	Ø 4,00 x M20/M25
D2	Ø 2,00 x M20
D3	Ø 4,20 mm
H	H 90,00 mm



Wiring diagram

KG20.T303.KS51V



Switch program

KG20.T303.KS51V



Kraus & Naimer

KG20
T303

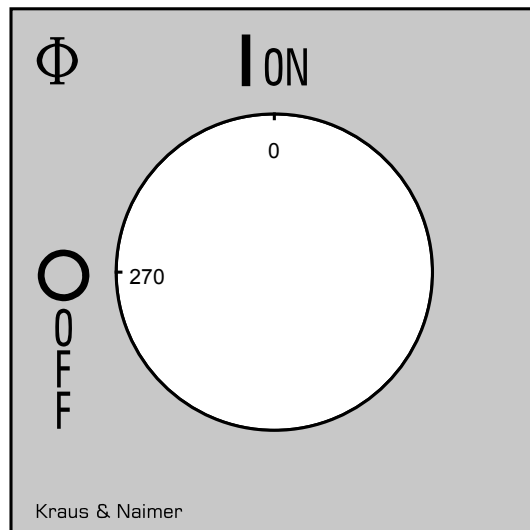
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Face Plate										
		L1	L2	L3						
		1	3	5	7	9	11	13	15	
										
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16	
		T1	T2	T3						
0	270									
1	0	■	■	■						
	90									
	180									

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					
			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					
Tightening torque of screws					
			tightening torque (Nm)		tightening torque (lb-in)
			0,60		5
Stripping length					
			Length (mm) --		
			6 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		0,5mm²	Copper
solid wire	Min.	2		0,5mm²	Copper
flexible wire	Min.	1		0,75mm²	Copper
flexible wire	Min.	2		0,75mm²	Copper
flexible wire	Max.	2		AWG 16	Copper
flexible wire	Max.	2		1,5mm²	Copper
Single-core or stranded wire	Max.	2		AWG 14	Copper

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Single-core or stranded wire	Max.	2	1,5mm²	Copper
flexible wire with ferrule according to DIN 46228	Max.	2	1mm²	Copper
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
Recommandations concernant le tournevis				
Type	Value			
Tournevis cruciforme	PH1			
Slot screwdriver according to DIN 5264	0,6x3,5			
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				