



Sample image

Datasheet

Article number: 70009801

Designation: KG10.T103/40.KS51V

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	
20	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-15		220 - 240		6
AC-15		380 - 440		4
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	2,20
AC-3	380 - 440	3	3	3,70
AC-3	660 - 690	3	3	3,70
AC-3	220 - 240	1	2	1,10
AC-3	380 - 440	1	2	1,50
AC-23A	220 - 240	3	3	3
AC-23A	380 - 440	3	3	5,50
AC-23A	660 - 690	3	3	5,50
AC-23A	220 - 240	1	2	1,50
AC-23A	380 - 440	1	2	2,20
Max Fuse Rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		20
UL60947-4-1 , UL508				
Nominal Voltage				
Voltage (V) AC / DC				
300 AC				
Rated insulation voltage Ui				
Voltage (V) AC / DC				
300 AC				
Rated thermal current				
Current (A)		Ambient temperature (°C) Additional Text		
20		0 - 40 --		
Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110 - 120	1	2	0,50
DOL	220 - 240	1	2	1
DOL	277 - 277	1	2	1
DOL	110 - 120	3	3	1
DOL	220 - 240	3	3	2
Pilot duty rating code				
Duty Code				
A300				
SCCR / Max. fuse rating				
Conditions of acceptability				
These devices are suitable for use on circuits capable of delivering not more than 5kA rms symmetrical amperes, 300V ac max. when protected by Class J fuses.				
Temp. rating of wire				
Temperature rating (°C)		Current (A) Text		
60 - 75		-- Use copper wire only		
Connecting instructions				
Markings				
Break all lines.				
For use on a flat surface of a type 1 enclosure.				
General Use				
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles
AC	277	20	1	1
AC	300	20	1	2
				No. of contacts in series
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General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	300	20	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	
				300	AC	
Rated insulation voltage Ui						
				Voltage (V)	AC / DC	
				300	AC	
Rated thermal current						
		Current (A)	Ambient temperature (°C)		Additional Text	
		20	0 - 40		--	
Horsepower rating						
Across-the-Line Motor Starting				Voltage (V)	No. of phases	No. of poles
DOL				110 - 120	1	2
DOL				220 - 240	1	2
DOL				277 - 277	1	2
DOL				110 - 120	3	3
DOL				220 - 240	3	3
Pilot duty rating code						
Duty Code						
A300						
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	20	1	1	1	
AC	277	20	3	3	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)	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.	1		AWG 12	Copper
flexible wire		Max.	1		2.5mm²	Copper
Single-core or stranded wire		Max.	1		AWG 12	Copper
Single-core or stranded wire		Max.	1		2.5mm²	Copper
flexible wire with ferrule according to DIN 46228		Max.	1		2.5mm²	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
Approbations						
Specification						Marking
EAC						
CE marking						
UK Directives						
CSA C.22.2 No.14						
GB/T14048.3						
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						

General Information

Text

- 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.
- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.

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

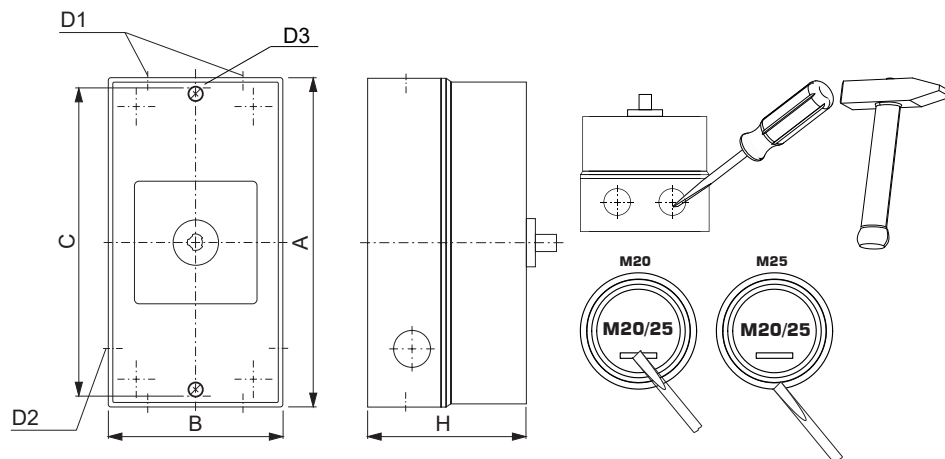
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-KS51V

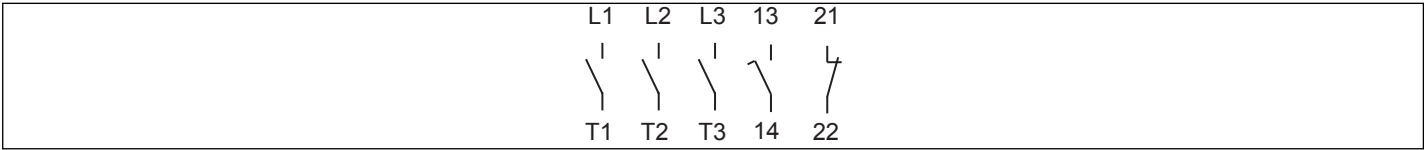


IP - Code front side		IP66, IP67, IP69k
Stages		2,00 - 4,00
A	H	121,00 mm
B	H	86,00 mm
C	H	110,00 mm
D1	Ø	4,00 x M20/M25
D2	Ø	2,00 x M20
D3	Ø	4,20 mm
H	H	90,00 mm



Wiring diagram

KG10.T30311.KS51V



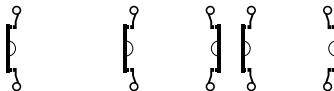
Switch program

KG10.T30311.KS51V



Kraus & Naimer

KG10
T30311VE
Page 1 of 1

Face Plate																		
			T2		T1		T3		14		22							
			1	3	5	7	9	11	13	15	17	19	21	23				
			Marking plate: S0D H043 91E															
																		
Switching Angle 90 Total switching Angle 90			2	4	6	8	10	12	14	16	18	20	22	24				
			L2		L1	L3	13	21										
0			270															
			285															
			300															
			315															
			330															
			345															
1			0															
			15															
			30															
			45															
			60															
			75															
			90															
			105															
			120															
			135															
			150															
			165															
			180															
			195															
			210															
			225															
			240															
			255															

Version: 7

Face plate

S1.F656/C10.V9

