



Sample image







## Datasheet

**Article number:** 70009801

**Designation:** KG10.T103/40.KS51V

**Description:** Switch Global Disconnecter

<b>IEC 60947-3 EN 60947-3, VDE 0660 Teil 107</b>						
<b>Rated insulation voltage Ui</b>						
Voltage (V) AC / DC						
690 AC						
<b>Rated uninterrupted current Iu/Ith</b>						
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		
<b>Rated operational current Ie</b>						
Utilization category						Voltage (V)
AC-15						220 - 240
AC-15						380 - 440
<b>Rated operational power</b>						
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	
<b>Max Fuse Rating IEC</b>						
Fuse characteristic						No. of Fuses
gG						1
gG						20
<b>UL60947-4-1 , UL508</b>						
<b>Nominal Voltage</b>						
Voltage (V) AC / DC						
300 AC						
<b>Rated insulation voltage Ui</b>						
Voltage (V) AC / DC						
300 AC						
<b>Rated thermal current</b>						
Current (A)			Ambient temperature (°C) Additional Text			
20			0 - 40 --			
<b>Horsepower rating</b>						
Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL		110 - 120	1	2	0,50	40
DOL		220 - 240	1	2	1	40
DOL		277 - 277	1	2	1	40
DOL		110 - 120	3	3	1	40
DOL		220 - 240	3	3	2	40
<b>Pilot duty rating code</b>						
Duty Code						
A300						
<b>SCCR / Max. fuse rating</b>						
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.						
<b>Temp. rating of wire</b>						
Temperature rating (°C)			Current (A) Text			
60 - 75			-- Use copper wire only			
<b>Connecting instructions</b>						
Markings						
Break all lines.						
For use on a flat surface of a type 1 enclosure.						
<b>General Use</b>						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	277	20	1	1	1	
AC	300	20	1	2	1	

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	Power (HP)	Ambient temperature [°C]	
DOL	110 - 120	1	2	0,50	40	
DOL	220 - 240	1	2	1	40	
DOL	277 - 277	1	2	1	40	
DOL	110 - 120	3	3	1	40	
DOL	220 - 240	3	3	2	40	
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 (mm <sup>2</sup> ) or (AWG/kcmil)		Material of the wire	
solid wire	Min.	1	0.5mm <sup>2</sup>		Copper	
solid wire	Min.	2	0.5mm <sup>2</sup>		Copper	
flexible wire	Min.	1	0.75mm <sup>2</sup>		Copper	
flexible wire	Min.	2	0.75mm <sup>2</sup>		Copper	
flexible wire	Max.	1	AWG 12		Copper	
flexible wire	Max.	1	2.5mm <sup>2</sup>		Copper	
Single-core or stranded wire	Max.	1	AWG 12		Copper	
Single-core or stranded wire	Max.	1	2.5mm <sup>2</sup>		Copper	
flexible wire with ferrule according to DIN 46228	Max.	1	2.5mm <sup>2</sup>		Copper	
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm <sup>2</sup>		Copper	
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm <sup>2</sup>		Copper	
Approbations						
Specification						Marking
EAC						
CE marking						
UK Directives						
CSA C.22.2 No.14						
GB/T14048.3						
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](http://www.krausnaimer.com)

### Proposition 65

**Picture name**

**Description**



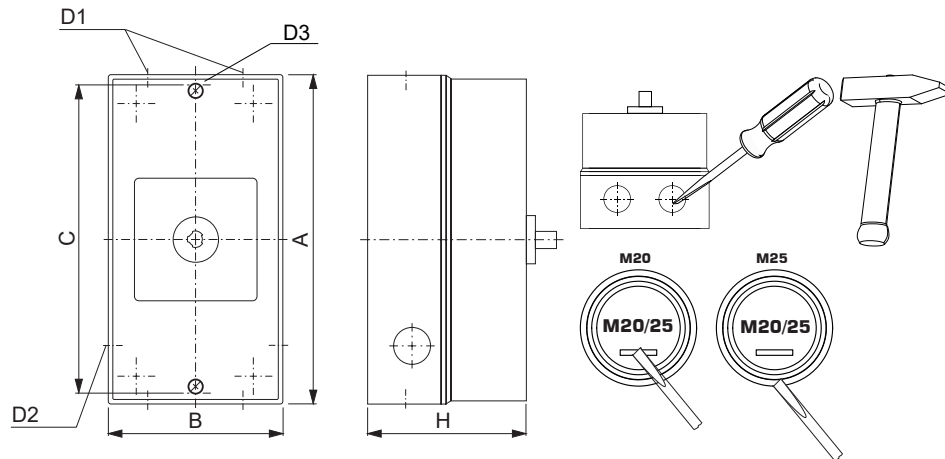
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

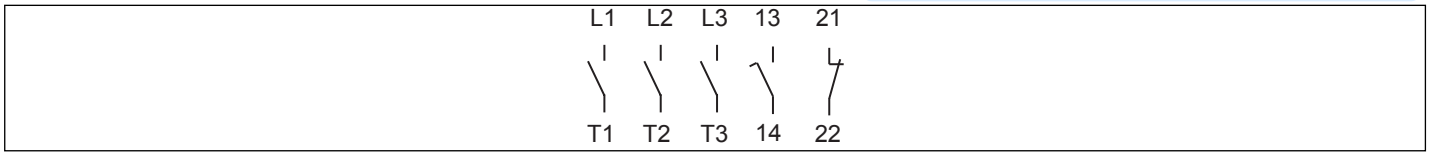
### Mounting-KS51V



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


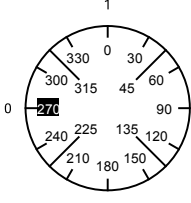
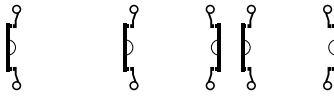
## Wiring diagram

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 <input type="text" value="90"/> Total switching Angle <input type="text" value="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

