



Sample image

Datasheet

Article number: 70008616

Designation: KG10.T203/40.KS51V

Description: Switch Global Disconnecter

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
Rated insulation voltage Ui						
Voltage (V) AC / DC						
690 50/60Hz						
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
Tested AC and DC values						
Utilization category / Time constant	No. of contacts in series	Off or change-over switch	Voltage (V)	AC / DC	Current (A)	
DC-13	1	ON - OFF	24	DC	3	
DC-13	1	ON - OFF	220	DC	0,15	
DC-21A	1	ON - OFF	24	DC	16	
DC-21A	1	ON - OFF	220	DC	0,90	
DC-23A	1	ON - OFF	24	DC	13	
DC-23A	1	ON - OFF	220	DC	0,20	
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)	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						
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	No. of contacts in series	
AC	277	20	1	1	1	
AC	300	20	1	2	1	
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)						
20						
Ambient temperature (°C) Additional Text						
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)						
75						
Current (A) Text						
-- --						
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						
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.	1	AWG 12		Copper	
Flexible wire	Max.	1	2.5mm ²		Copper	
Single-core or stranded wire	Max.	1	AWG 12		Copper	
Single-core or stranded wire	Max.	1	2.5mm ²		Copper	
Flexible wire with ferrule according to DIN 46228	Max.	1	2.5mm 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	0,8x4					
Tightening torque of screws						
tightening torque (Nm)						
0,60						
tightening torque (lb-in)						
5						
Approbations						
Specification	Marking					
CE marking						
UK Directives						
GB/T14048.3						
General information						
Text						
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.						

General Information
Text

- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.
- After wiring, ALL terminal screws must be tightened to the specified torque values.
- The protection class of the selected mounting type may vary if optional extras are used.
- 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.
- 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

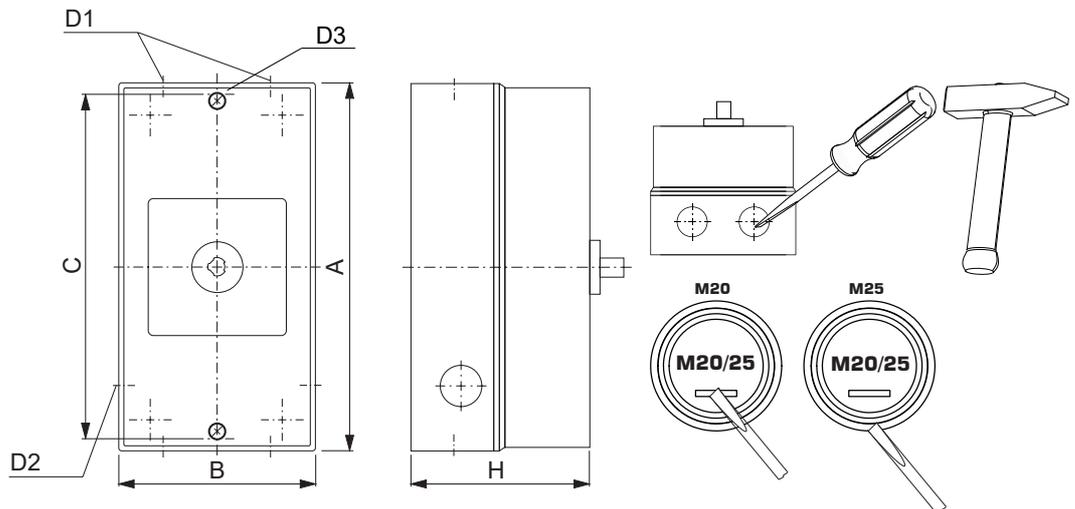
Proposition 65
Picture name
Description


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

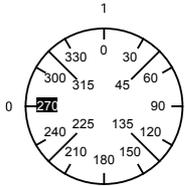
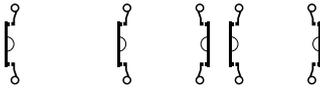
Classification Terminal: Screw terminal

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

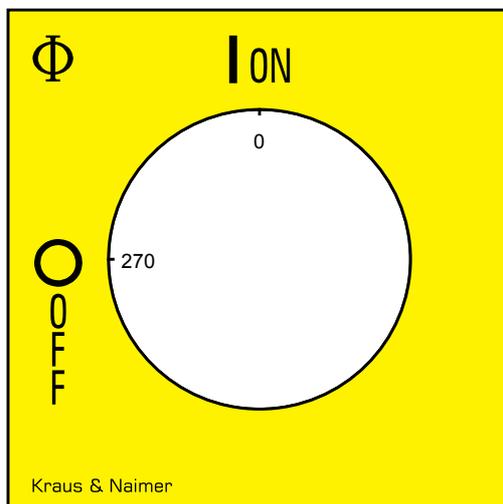
Wiring diagram

KG10.T30311.KS51V

 Kraus & Naimer		KG10		T30311VE		VE		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	2	4	6	8	10	12	14	16	18	20	22	24
Total switching Angle	90	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												
Look		Pcs.	Optional Extras					Jumpers					
Mounting		1	FLUCHTEN					1 ●	○3	4 ○	●2		
Face Plate		1	03FL: S0D D462/A/H					5 ●	●7	8 ●	●6		
Handle								9 ●	●11	12 ●	●10		
Latch. Mech.	E304							13 ○	○15	16 ○	○14		
Stop	S0C.E101.03							17 ○	○19	20 ○	○18		
Stop degree								21 ○	○23	24 ○	○22		
No. of Stages	3							25 ○	○27	28 ○	○26		
Master data	0							29 ○	○31	32 ○	○30		
Reference	SCHNELLER							33 ○	○35	36 ○	○34		
Date	2016-01-26 11:38							37 ○	○39	40 ○	○38		
Modify Date	2016-02-03 15:07							41 ○	○43	44 ○	○42		
Cust. NO.								45 ○	○47	48 ○	○46		
Company													
Version	7												

Face plate

S1.F656/E10.V9



HANDLES

Designation: S1B.G842

Handle colour: "2" red

GENERAL TECHNICAL INFORMATION

Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,8x5,5