



Sample image

Datasheet

Article number: 70011009

Designation: KG10A.T102/04.FT2

Description: Switch Global Disconnector

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)	Ambient temperature [°C]
DOL		110 - 220	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	

General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series			
AC	300	20	1	2	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)	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 - 220	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 (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

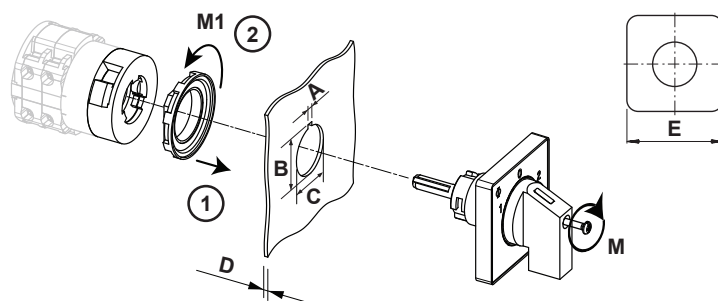
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-FT2

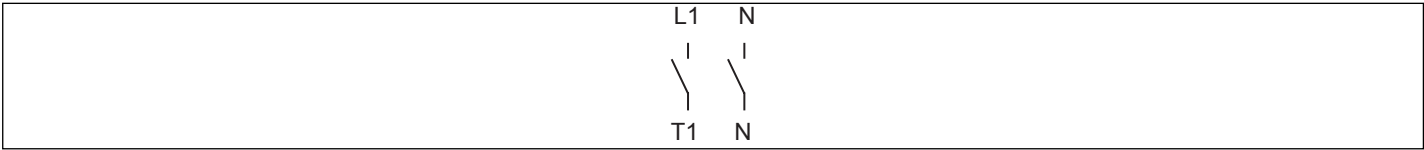


IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 12,00
A	H	3,20 mm
A+_tol.	H	0,20 mm
A-_tol.	H	0,00 mm
B	H	24,10 mm
B+_tol.	H	0,40 mm
B-_tol.	H	0,00 mm
C	Ø	22,30 mm
C+_tol.	Ø	0,40 mm
C-_tol.	Ø	0,00 mm
D	H	<= 6,00 mm
E	□	48,00 mm
M	M̄	0,50 Nm
M1	M̄	1,80 Nm



Wiring diagram

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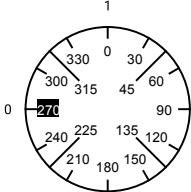
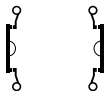
Switch program

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Kraus & Naimer

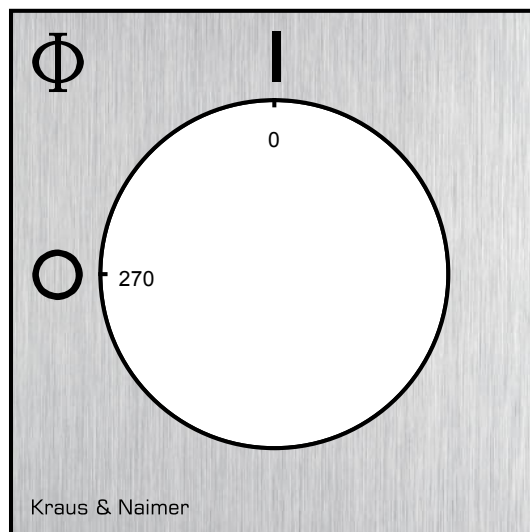
KG10A
T302E
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Face Plate														
	N	T1												
	1	3	5	7	9	11	13	15	17	19	21	23		
			Marking plate: S0D H043 51F											
														
Switching Angle 90 Total switching Angle 90			2	4	6	8	10	12	14	16	18	20	22	24
			N	L1										
0			270											
			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: 2

Face plate

S0.F456/A10.E1LH

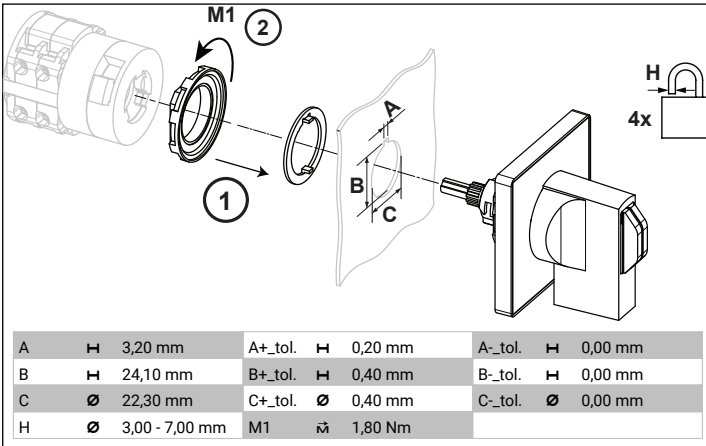


Designation: S0.V845/A11/D11

Angular displacement: "1" 1 x 90°

Type of version: "1" for same switch size

Switch type: "1" for C-switches and for KG10.



A	H	3,20 mm	A+.tol.	H	0,20 mm	A-.tol.	H	0,00 mm
B	H	24,10 mm	B+.tol.	H	0,40 mm	B-.tol.	H	0,00 mm
C	Ø	22,30 mm	C+.tol.	Ø	0,40 mm	C-.tol.	Ø	0,00 mm
H	Ø	3,00 - 7,00 mm	M1	↺	1,80 Nm			