

Sample image

Datasheet

Article number: 70009609

Designation: KG10A.T203/03.FT2

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)	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
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	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

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.

Marking



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

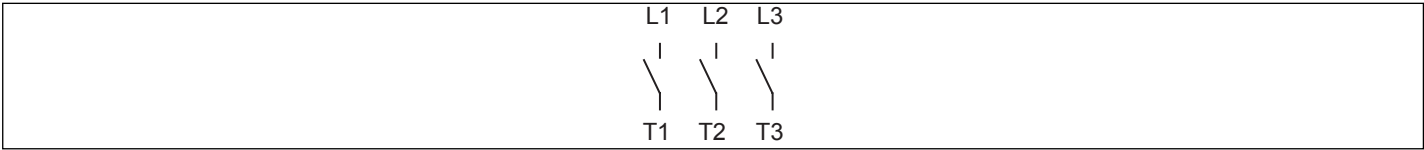
Mounting-FT2



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

KG10A.T303.FT2



Switch program

KG10A.T303.FT2



Kraus & Naimer

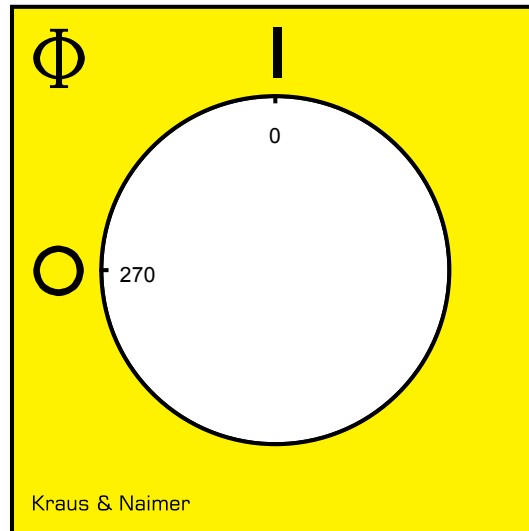
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Face Plate																
		T3	T1			T2										
		1	3	5	7	9	11	13	15	17	19	21	23			
		Marking plate: S0D H043 51A														
																
Switching Angle	90	2	4	6	8	10	12	14	16	18	20	22	24			
Total switching Angle	90	L3	L1			L2										
0	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/E10.E1L





Sample image

PADLOCK DEVICE with type F-handle (locking direction at right angle to the shaft) for type of mounting FT, *FT1, *FT2 und *FT6

Designation: S0.V840A/A2B1-FT2

Lock bow diameter: "A" for lock bow diameter 4,5-5,0mm

Colour of handle: "2" red, locking bar flag yellow

Locking program: "B" 09:00, knockouts every 90°

Colour of face plate frame: "1" black

Type of mounting: "-FT2" for type of mounting *FT2/*FT2-V

