



Sample image

Datasheet

Article number: 70017913

Designation: KG20A.T304.FT2

Description: Switch Local 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			
25	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-32A			20 - 400		20	
Rated operational power						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3	220 - 240	3	3	4		
AC-3	380 - 440	3	3	5,50		
AC-3	660 - 690	3	3	5,50		
AC-23A	220 - 240	3	3	5,50		
AC-23A	380 - 440	3	3	7,50		
AC-23A	660 - 690	3	3	7,50		
Max Fuse Rating IEC						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		35	
UL60947-4-1 , UL508						
Nominal Voltage						
Voltage (V) AC / DC						
600 AC						
Rated insulation voltage Ui						
Voltage (V) AC / DC						
600 AC						
Rated thermal current						
Current (A)		Ambient temperature (°C)		Additional Text		
25		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	1	40
DOL		220 - 240	1	2	3	40
DOL		277 - 277	1	2	3	40
DOL		415 - 415	1	2	5	40
DOL		440 - 480	1	2	5	40
DOL		550 - 600	1	2	5	40
DOL		110 - 120	3	3	2	40
DOL		200 - 240	3	3	7,50	40
DOL		415 - 415	3	3	10	40
DOL		440 - 480	3	3	15	40
DOL		550 - 600	3	3	20	40
Pilot duty rating code						
Duty Code						
A600						
SCCR / Max. fuse rating						
Conditions of acceptability						
This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses.						
Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes at 600V max., when protected by 40A Class J fuses.						
Temp. rating of wire						
Temperature rating (°C)			Current (A) Text			
60 - 75			-- --			
General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	277	25	1	1	1	
AC	600	25	1	2	1	

General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series			
AC	600	25	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			
				600	AC			
Rated insulation voltage Ui								
				Voltage (V)	AC / DC			
				600	AC			
Rated thermal current								
		Current (A)	Ambient temperature (°C)		Additional Text			
		25	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	1	40
DOL				220 - 240	1	2	3	40
DOL				277 - 277	1	2	3	40
DOL				415 - 415	1	2	5	40
DOL				440 - 480	1	2	5	40
DOL				550 - 600	1	2	5	40
DOL				110 - 120	3	3	2	40
DOL				220 - 240	3	3	7,50	40
DOL				415 - 415	3	3	10	40
DOL				440 - 480	3	3	15	40
DOL				550 - 600	3	3	20	40
Pilot duty rating code								
Duty Code								
A600								
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	25	1	1	1			
AC	600	25	1	2	1			
AC	600	25	3	3	1			
GENERAL TECHNICAL INFORMATION								
Tightening torque of screws								
				tightening torque (Nm)	tightening torque (lb-in)			
				1,25	11			
Stripping length								
				Length (mm)	--			
				9	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	
flexible wire		Max.	1		AWG 10		Copper	
flexible wire		Max.	1		4mm²		Copper	
Single-core or stranded wire		Max.	1		6mm²		Copper	
Single-core or stranded wire		Max.	1		AWG 10		Copper	
flexible wire with sleeve		Max.	1		4mm²		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				PH2				
Slot screwdriver according to DIN 5264				0,8x4				
General Information								
Text								
- EMC Note: This device is suitable for use in environment A and B.								



GB/T14048.3

General Information

Text

- 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.
- 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.

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

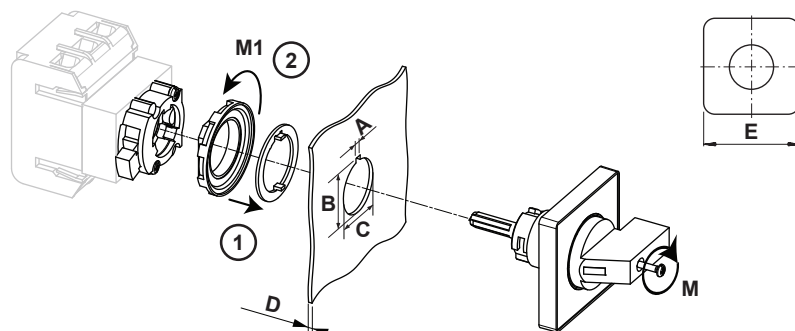
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-FT2

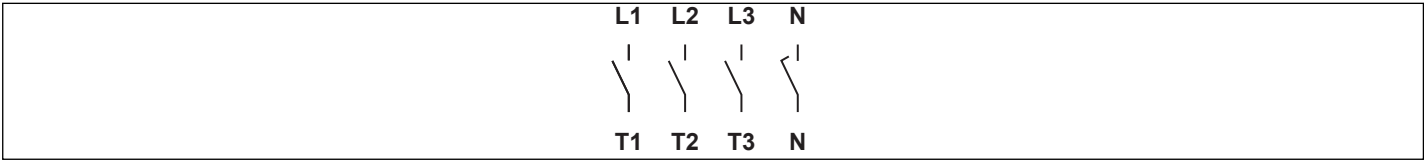


IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 5,00
A	H	3,20 mm
A+_tol.	H	0,20 mm
A-_tol.	H	0,00 mm
B	H	24,10 mm
B+_tol.	H	0,40 mm
B-_tol.	H	0,00 mm
C	Ø	22,30 mm
C+_tol.	Ø	0,40 mm
C-_tol.	Ø	0,00 mm
D	H	<= 6,00 mm
E	□	48,00 mm
M	↺	0,50 Nm
M1	↺	1,80 Nm



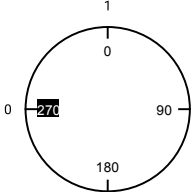
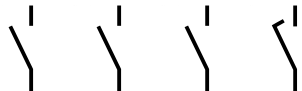
Wiring diagram

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Switch program

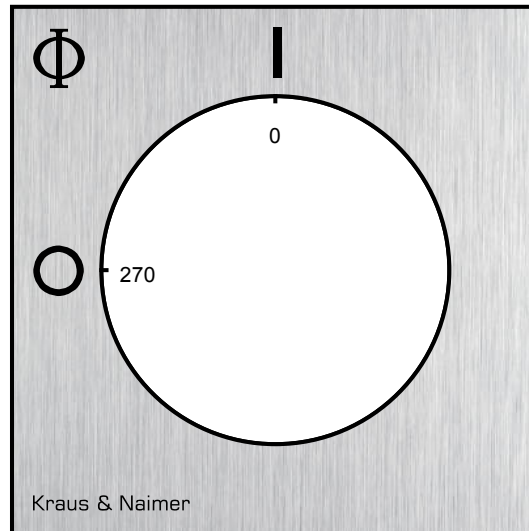
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 Kraus & Naimer		KG20A		T304		Page 1 of 1			
Face Plate									
		L1 1	L2 3	L3 5	N 7	9	11	13	15
									
Switching Angle 90 Total switching Angle 90		2 T1	4 T2	6 T3	8 N	10	12	14	16
0	270								
1	0								
	90								
	180								

Version: 94

Face plate

S0.F456/A10.E1L



HANDLES

Designation: S0C.G251

Handle colour: "1" black

