

Sample image

Datasheet

Article number: 70018445

Designation: KG80.T304.E

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	
80	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		80
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	15
AC-3	380 - 440	3	3	22
AC-3	660 - 690	3	3	18,50
AC-23A	220 - 240	3	3	18,50
AC-23A	380 - 440	3	3	30
AC-23A	660 - 690	3	3	22
Max Fuse Rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		80
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
80		0 - 40		--
Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110 - 120	1	2	5
DOL	220 - 240	1	2	10
DOL	277 - 277	1	2	15
DOL	415 - 415	1	2	20
DOL	440 - 480	1	2	20
DOL	550 - 600	1	2	30
DOL	110 - 120	3	3	10
DOL	220 - 240	3	3	25
DOL	415 - 415	3	3	30
DOL	440 - 480	3	3	50
DOL	550 - 600	3	3	50
SCCR / Max. fuse rating				
Conditions of acceptability				
These devices are suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses or Circuit Breaker Type SFHA36AT0250, manufactured by General Electric.				
Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by Class J fuses, 100A max.				
Temp. rating of wire				
Temperature rating (°C)		Current (A) Text		
75		-- --		
Connecting instructions				
Markings				
Break all lines.				
General Use				
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles
AC	277	80	1	1
AC	600	80	1	2
AC	600	80	3	3
No. of contacts in series				
1				
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	
		80	0 - 40		--	
Horsepower rating						
Across-the-Line Motor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL			110 - 120	1	2	5
DOL			220 - 240	1	2	10
DOL			277 - 277	1	2	15
DOL			415 - 415	1	2	20
DOL			440 - 480	1	2	20
DOL			550 - 600	1	2	30
DOL			110 - 120	3	3	10
DOL			220 - 240	3	3	25
DOL			415 - 415	3	3	30
DOL			440 - 480	3	3	50
DOL			550 - 600	3	3	50
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	80	1	1	1	
AC	600	80	1	2	1	
AC	600	80	3	3	1	
GENERAL TECHNICAL INFORMATION						
Tightening torque of screws						
			tightening torque (Nm)		tightening torque (lb-in)	
			3		27	
Stripping length						
			Length (mm) --			
			14 STRIPPINGLENGTH			
Size of conductor						
composition of conductor	Min. / Max. value		No. of conductor per terminal		Cross section (mm²) or (AWG/kcmil)	
solid wire	Min.		1		2.5mm²	
flexible wire	Min.		1		4mm²	
flexible wire	Max.		1		35mm²	
flexible wire	Max.		1		AWG 2	
Single-core or stranded wire	Max.		1		AWG 1/0	
Single-core or stranded wire	Max.		1		50mm²	
flexible wire with sleeve	Max.		1		35mm²	
flexible wire with ferrule according to DIN 46228	Min.		1		2.5mm²	
Approbations						
Specification					Marking	
EAC					EAC	
CE marking					CE	
UK Directives					UK CA	
CSA C.22.2 No.14					SR	
GB/T14048.3					CCC	
Recommended screw driver						
Type of screw driver			Value			
Cross Screwdriver			PH2			
Slot screwdriver according to DIN 5264			1,2x6,5			
General Information						
Text						
- EMC Note: This device is suitable for use in environment A and B.						
- 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.

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



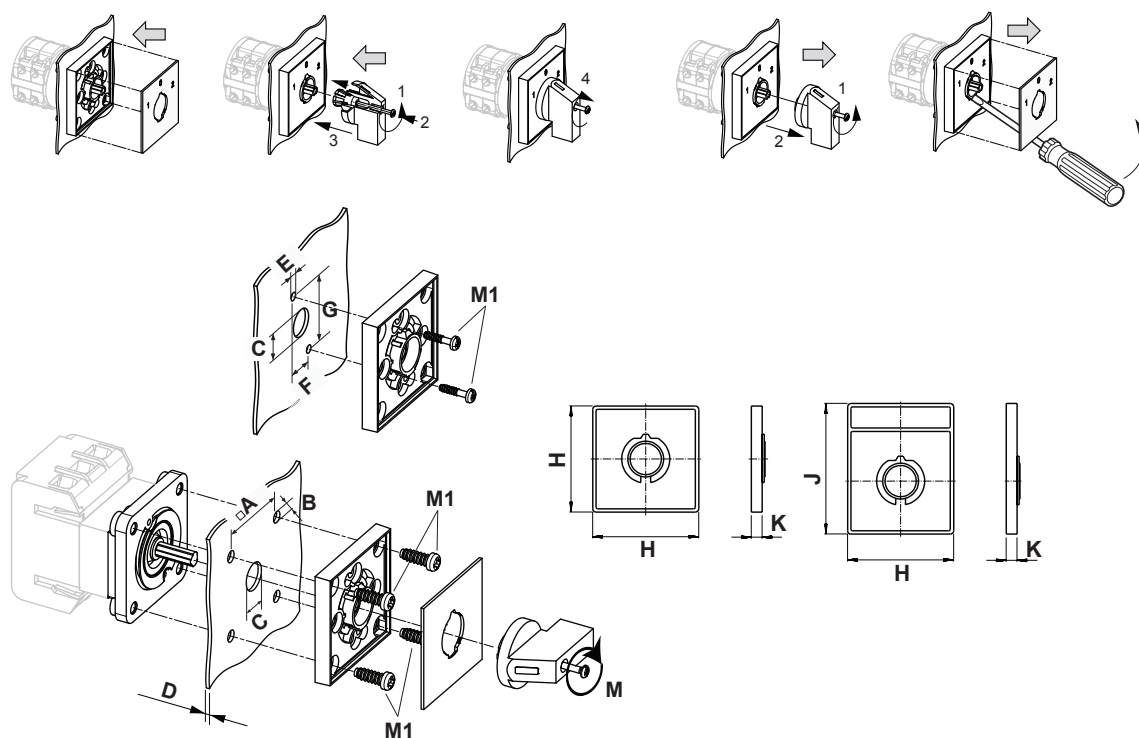
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-E

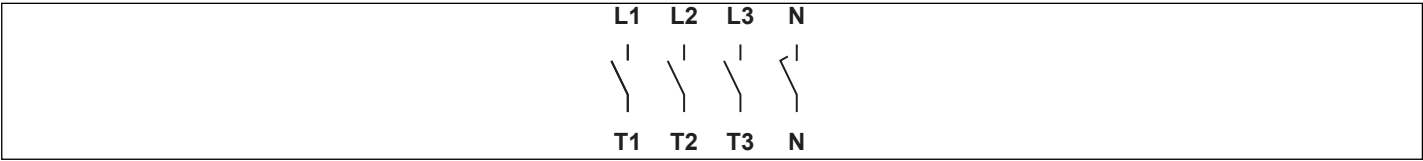


IP - Code front side		IP66, IP67
Stages		1,00 - 12,00
A	□	48,00 mm
B	∅	5,00 mm
C	∅	10,00 - 15,00 mm
D	H	<= 4,00 mm
E	∅	4,50 mm
F	H	14,00 mm
G	H	37,00 mm
H	H	64,00 mm
J	H	78,50 mm
K	H	7,40 mm
M	↺	0,70 Nm
M1	↺	0,90 Nm



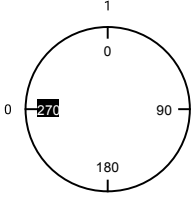
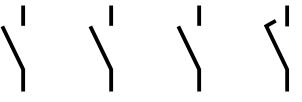
Wiring diagram

KG80.T304.E



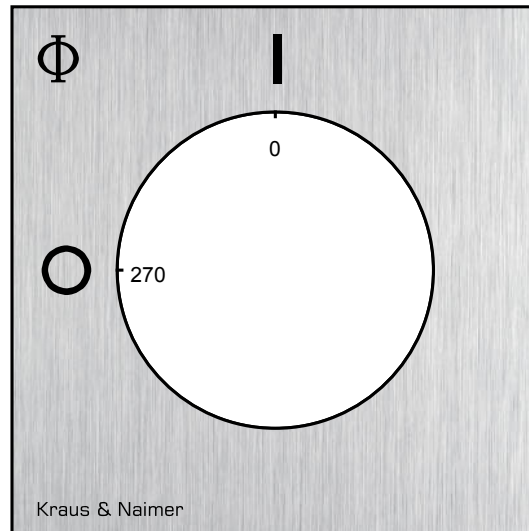
Switch program

KG80.T304.E

 Kraus & Naimer		KG80		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

S1.F456/A1B.PEL



HANDLES

Designation: S1B.G251

Handle colour: "1" black

