



Datasheet

Article number: 70010984

Designation: KG80.T103/04.E

Description: Switch Global Disconnector

Rated insulation voltage Ui	7-3, VDE 0660 Teil 107						
Nateu ilisulation voltage of		Va	oltage (V) AC / DC				
		,,	690 AC				
Rated uninterrupted current	lu/lth						
Current (A)	Ambient temperature (°C)	Peak temperature (°C) additional req	uirements			
80	50		55 Ambient temp	perature +50°C d	luring 24 hours w	vith peaks up to +55°C	
Rated operational current le							
Utilization category				Vol	Itage (V)		Current (A
AC-32A					20 - 400		8
Rated operational power							
Utilization category		Voltage (V)	No.	. of phases		No. of poles	Power (kW
AC-3		220 - 240		3		3	1
AC-3		380 - 440		3		3	2
AC-3		660 - 690		3		3	18,5
AC-23A		220 - 240		3		3	18,5
AC-23A		380 - 440		3		3	3
AC-23A		660 - 690		3		3	2
Max Fuse Rating IEC							
Fuse characteristic					No. of Fu		Current (A
JG						1	8
JL60947-4-1 . UL508							
Nominal Voltage							
		Vo	oltage (V) AC / DC				
		VO	600 AC				
Rated insulation voltage Ui							
Rated insulation voltage Ui							
Rated insulation voltage Ui			600 AC				
Rated insulation voltage Ui			600 AC				
	Current (/	Vo	600 AC oltage (V) AC / DC 600 AC		ture (°C) Additio	nal Text	
		Vo	600 AC oltage (V) AC / DC 600 AC		ture (°C) Additio 0 - 40	nal Text	
Rated thermal current	3	Vo A)	600 AC oltage (V) AC / DC 600 AC A	umbient tempera	0 - 40		
Rated thermal current Horsepower rating Across-the-Line Motor Startin	3	Vo A)	600 AC bitage (V) AC / DC 600 AC A Voltage (V)	mbient temperat	0 - 40 No. of poles	Power (HP)	
Rated thermal current Horsepower rating Across-the-Line Motor Startin	3	Vo A)	600 AC oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120	umbient tempera	0 - 40 No. of poles 2	Power (HP)	4
Rated thermal current Horsepower rating Across-the-Line Motor Startin, DOL DOL	3	Vo A)	600 AC oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240	mbient temperat	0 - 40 No. of poles 2 2	Power (HP) 5 10	4
Rated thermal current Horsepower rating Across-the-Line Motor Startin DOL DOL	3	Vo A)	600 AC bitage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277	mbient temperat	0 - 40 No. of poles 2 2 2	Power (HP) 5 10 15	4 4
Horsepower rating Across-the-Line Motor Startin DOL DOL DOL	3	Vo A)	600 AC bitage (V) AC / DC 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415	No. of phases	0 - 40 No. of poles 2 2 2 2	Power (HP) 5 10 15 20	
Horsepower rating Across-the-Line Motor Startin DOL DOL DOL DOL	3	Vo A)	600 AC bitage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277	No. of phases	0 - 40 No. of poles 2 2 2	Power (HP) 5 10 15	4 4 4 4
Horsepower rating Across-the-Line Motor Startin DOL	3	Vo A)	600 AC oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 1	0 - 40 - No. of poles 2 2 2 2 2 2 2 2	Power (HP) 5 10 15 20 20 30	4 4 4 4 4
Rated thermal current Horsepower rating Across-the-Line Motor Startin DOL	3	Vo A)	600 AC oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	No. of phases 1 1 1 1 1 1 3	0-40 - No. of poles 2 2 2 2 2 2 3	Power (HP) 5 10 15 20 20 30 10	4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin, DOL	3	Vo A)	600 AC oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240	No. of phases 1 1 1 1 1 3 3	0-40 - No. of poles 2 2 2 2 2 2 3 3	Power (HP) 5 10 15 20 20 30 10 25	Ambient temperature [°C 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin DOL	3	Vo A)	600 AC oltage (V) AC / DC 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415	No. of phases 1 1 1 1 1 1 3	0-40 - No. of poles 2 2 2 2 2 2 3 3 3 3	Power (HP) 5 10 15 20 20 30 10 25 30	4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin DOL	3	Vo A)	A Voltage (V) AC / DC 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480	No. of phases 1 1 1 1 1 1 3 3 3 3 3	0-40 No. of poles 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 10 15 20 20 30 10 25 30 50	4 4 4 4 4 4 4 4 4
Rated thermal current Horsepower rating Across-the-Line Motor Startin DOL	3	Vo A)	600 AC oltage (V) AC / DC 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415	No. of phases 1 1 1 1 1 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 3 3 3 3	Power (HP) 5 10 15 20 20 30 10 25 30	4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin DOL	3	Vo A)	A Voltage (V) AC / DC 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480	No. of phases 1 1 1 1 1 1 3 3 3 3 3	0-40 No. of poles 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 10 15 20 20 30 10 25 30 50	2 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin, DOL	g	Vo (A) (30)	Voltage (V) AC / DC 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 10 15 20 20 30 10 25 30 50	4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin DOL	g or use on circuits capable of deliver	Vo (A) (30)	Voltage (V) AC / DC 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 10 15 20 20 30 10 25 30 50	4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin OOL OOL OOL OOL OOL OOL OOL OOL OOL OO	g or use on circuits capable of deliver ed by General Electric.	Vo A) 30	600 AC Oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3 peres, 600V ac n	No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 max. when protect	Power (HP) 5 10 15 20 20 30 10 25 30 50 50	4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin DOL	g or use on circuits capable of deliver	Vo A) 30	600 AC Oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3 peres, 600V ac n	No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 max. when protect	Power (HP) 5 10 15 20 20 30 10 25 30 50 50	4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Startin OOL OOL OOL OOL OOL OOL OOL OOL OOL OO	g or use on circuits capable of deliver ed by General Electric. apable of delivering not more than	A) 30 ing not more than 10kA rm 65000 rms symmetrical an	600 AC Oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 years, 600V ac n	No. of poles 2 2 2 2 2 2 3 3 3 3 3 4 max. when protected by Class J fuse.	Power (HP) 5 10 15 20 20 30 10 25 30 50 50	4 4 4 4 4 4 4 4 4
Rated thermal current Horsepower rating Roross-the-Line Motor Startin OOL OOL OOL OOL OOL OOL OOL O	or use on circuits capable of deliver ed by General Electric. capable of delivering not more than	ing not more than 10kA rm 65000 rms symmetrical an	600 AC Oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 years, 600V ac n	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 10 15 20 20 30 10 25 30 50 50	
Horsepower rating Across-the-Line Motor Startin DOL	or use on circuits capable of deliver ed by General Electric. capable of delivering not more than	A) 30 ing not more than 10kA rm 65000 rms symmetrical an	600 AC Oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 years, 600V ac n	No. of poles 2 2 2 2 2 2 3 3 3 3 3 4 max. when protected by Class J fuse.	Power (HP) 5 10 15 20 20 30 10 25 30 50 50	4 4 4 4 4 4
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Horsepower rating Across-the-Line Motor Startin, DOL	or use on circuits capable of deliver ed by General Electric. capable of delivering not more than	ing not more than 10kA rm 65000 rms symmetrical an	600 AC Oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 years, 600V ac n	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 10 15 20 20 30 10 25 30 50 50	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Horsepower rating Across-the-Line Motor Startin OOL OOL OOL OOL OOL OOL OOL OOL OOL OO	or use on circuits capable of deliver ed by General Electric. capable of delivering not more than	ing not more than 10kA rm 65000 rms symmetrical an	600 AC Oltage (V) AC / DC 600 AC A Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 years, 600V ac n	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 10 15 20 20 30 10 25 30 50 50	4 4 4 4 4 4



AC / DC								
	Voltage (V)	Current (A)	No. of phases	No. of pole				No. of contacts in s
AC AC	600	80 80	1 3		2			
General Information	600	80	3		3			
Text								
- The operating handle			sed with these manual mot nation with the manual mot		ıld be provided fro	m the manufactu	rer, or the operatin	g handle and position indicating m
		•	shall be provided with a me		d in the OFF-posit	ion.		
CSA				<u> </u>				
Nominal Voltage								
Wolfilliar Voltage				Voltage (V) AC / D	OC .			
				600 AC				
Rated insulation volta	age Ui							
				Voltage (V) AC / D	OC .			
Rated thermal curren	nt			600 AC				
nateu tricimai carren		Curren	ot (A)		Ambient tempera	ture (°C) Addition	nal Text	
			80		·	0 - 40		
Horsepower rating	2			14.1			- (15)	
Across-the-Line Motor DOL	r Starting			Voltage (V) 110 - 120	No. of phases	No. of poles 2	Power (HP) 5	Ambient temperatur
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 DOL				110 - 120 220 - 240	3	3	10 25	
DOL				415 - 415	3	3	30	
DOL				440 - 480	3	3	50	
DOL				550 - 600	3	3	50	
Temp. rating of wire		- :	(00)			· (4) T ·		
		Temperature rating	75		Ct	rrent (A) Text		
General Use			73					
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of pole	es			No. of contacts in s
AC	277	80	1		1			
AC	600	80	1		2			
AC	600	80	3		3			
GENERAL TECH		RMATION						
Tightening torque of	screws		tightening t	orguo (Nm)				tightening torque (
			tigriteriing t	3				tigriterinig torque (
Stripping length								
			L	ength (mm)				
Size of conductor				14 STRIP	PINGLENGTH			
Size of Conductor						Cross section	(mm²) or	
			Maria control	No. of cor	nductor per termii	nal (AWG/kcmil)	` ′	Material of the wire
composition of condu	ıctor		Max. value					
solid wire	uctor	Min.	Max. value			1 2.5mm²		Copper
solid wire flexible wire	uctor	Min. Min.	max. value			1 4mm²		Copper
solid wire	uctor	Min.	max. value			1 4mm² 1 35mm²		Copper Copper
solid wire flexible wire flexible wire		Min. Min. Max.	max. value			1 4mm²		Copper
solid wire flexible wire flexible wire flexible wire Single-core or strande Single-core or strande	ed wire ed wire	Min. Min. Max. Max. Max. Max.	max. value			1 4mm ² 1 35mm ² 1 AWG 2 1 AWG 1/0 1 50mm ²		Copper Copper Copper Copper Copper
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solid wire flexible wire flexible wire flexible wire Single-core or strande Single-core or strande flexible wire with slee flexible wire with slee flexible wire with fern Approbations Specification EAC CE marking UK Directives CSA C.22.2 No.14 GB/T14048.3 Recommended screw Type of screw driver	ed wire ed wire eve ule according to D	Min. Min. Max. Max. Max. Max. Max. Max. Max. Max	Max. value			1 4mm ² 1 35mm ² 1 AWG 2 1 AWG 1/0 1 50mm ² 1 35mm ²		Copper Copper Copper Copper Copper Copper Copper Ma
solid wire flexible wire flexible wire flexible wire Single-core or strande Single-core or strande flexible wire with slee flexible wire with slee flexible wire with slee flexible wire with fern Approbations Specification EAC CE marking UK Directives CSA C.22.2 No.14 GB/T14048.3 Recommended screw Type of screw driver Cross Screwdriver Slot screwdriver acco General Information Text	ed wire ed wire eve ule according to D v driver ording to DIN 5264	Min. Min. Max. Max. Max. Max. Max. Max. Max. Max		PH2		1 4mm ² 1 35mm ² 1 AWG 2 1 AWG 1/0 1 50mm ² 1 35mm ²		Copper Copper Copper Copper Copper Copper Copper Ma



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

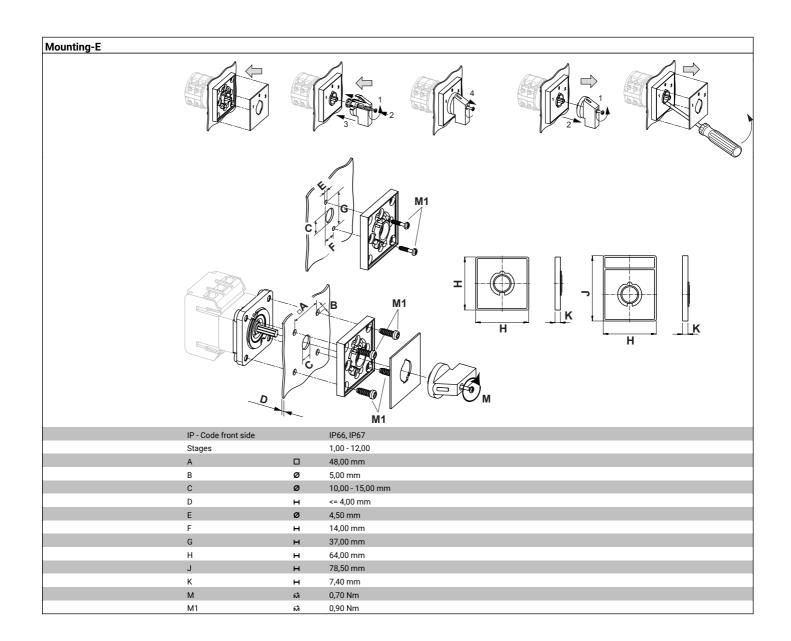
Proposition 65

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





Wiring diagram KG80.T303.E

L1 L2 L3
T1 T2 T3

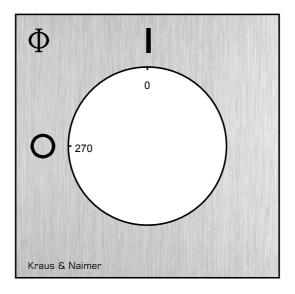


Switch program KG80.T303.E

Face Plate L1 L2 L3	Traus & Naime			KG80 T303			Page 1 o			
1 3 5 7 9 11 13 15 Switching Angle 90 71 T2 T3 0 270 90 90 90 90 90 90 90 90 90 90 90 90 90	Face Plate									
Switching Angle 90 2 4 6 8 10 12 14 16 Total switching Angle 90 270 1 1 1						7	9	11	13	15
Total switching Angle 90 T1 T2 T3			\	\	\					
1 0 90						8	10	12	14	16
90		270	11	12	13					
90										
	1	0								
		_								
180		90								
180										
		180								



Face plate S1.F456/A10.V45H





PADLOCK DEVICE

Designation: S1.V845/A11/A12

Face plate and handle unit: "A" face plate/alu, frame/black, handle/black, locking push rod/red Locking position: "1" at 09:00/03:00 - knockouts

every 45°

Angular displacement: "1" 1 x 90°

Type of mounting: "A" for type of mounting E
Type of mounting: "A" for type of mounting GK
Type of version: "1" for same switch size
Switch type: "2" for KA-, KG- and KH(R)-switches