



Datasheet

Article number: 70012780 Designation: KG100.T104/01.E

Description: Switch Global Disconnector

Rated insulation voltage Ui						
tated initialiation voltage of		Voltage (V) A	C/DC			
		690 A				
Rated uninterrupted current lu	ı/lth					
Current (A)	Ambient temperature (°C)	Peak temperature (°C) addition	al requirements			
100	50	55 Ambien	t temperature +50°C	during 24 hours v	vith peaks up to +55°C	
Rated operational current le						
Utilization category			Vo	oltage (V)		Current (
AC-32A				20 - 400		1(
Rated operational power		V-14 (1.0)	No of the con-		N f 1	D (I-1
Utilization category AC-3		Voltage (V) 220 - 240	No. of phases		No. of poles 3	Power (kl 18,5
AC-3		380 - 440	3		3	10,3
AC-3 AC-3		660 - 690	3		3	2
AC-23A		220 - 240	3		3	
AC-23A AC-23A		380 - 440	3		3	3
AC-23A AC-23A		660 - 690	3		3	
Max Fuse Rating IEC		300 - 030	3		3	
Fuse characteristic				No. of Fu	292	Current (
gG				NO. OF FU	1	Current (.
UL60947-4-1 , UL508						
Nominal Voltage						
		Voltage (V) A0 600 A0				
	Current (A	Voltage (V) At	C/DC	(°C) Addition	nal Tout	
Rated thermal current	Current (A	Voltage (V) A(600 A(C/DC	ature (°C) Additio 0 - 40	nal Text	
Rated insulation voltage Ui Rated thermal current Horsepower rating Across the line Mater Starting	101	Voltage (V) At 600 At)	C/DC C Ambient tempera	0 - 40		Amhient temperature (
Rated thermal current Horsepower rating Across-the-Line Motor Starting	101	Voltage (V) At 600 At	Ambient tempera	0 - 40 No. of poles	Power (HP)	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A(600 A())) Voltage (110-12	Ambient tempera /) No. of phases	0 - 40 No. of poles 2	Power (HP) 5	· ·
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL	101	Voltage (V) A(600 A()) Voltage (110 - 12 220 - 24	Ambient tempera // No. of phases 10 1	0 - 40 No. of poles 2 2	Power (HP) 5 15	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A0 600 A0)) Voltage (110 - 12 220 - 24 277 - 27	Ambient tempera // No. of phases 10 1 17 1	0 - 40 No. of poles 2	Power (HP) 5 15	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL	101	Voltage (V) A(600 A()) Voltage (110 - 12 220 - 24	Ambient tempera // No. of phases 10 1 7 1 5 1	0 - 40 No. of poles 2 2 2	Power (HP) 5 15	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL DOL	101	Voltage (V) At 600 At 0 0 10 Voltage (110 - 12 220 - 24 277 - 22 415 - 41	Ambient tempera // No. of phases 10 1 17 1 5 1 10 1	0 - 40 No. of poles 2 2 2 2	Power (HP) 5 15 15 25	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL	101	Voltage (V) At 600 At 1) 1) 10 10 110 - 12 220 - 24 277 - 27 415 - 44 440 - 48	Ambient tempers // No. of phases 10 1 10 1 5 1 10 1	0 - 40 No. of poles 2 2 2 2 2 2	Power (HP) 5 15 15 25 30	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A(600 A()) Voltage (110 - 12 220 - 24 277 - 27 415 - 47 440 - 44	Ambient tempera // No. of phases 10 1 10 1 5 1 10 1 10 1 10 3	0 - 40 - No. of poles 2 2 2 2 2 2 2 2	Power (HP) 5 15 15 25 30 30	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A(600 A()) Voltage (110 - 1; 220 - 2; 277 - 2; 415 - 4; 440 - 44; 550 - 66; 110 - 12	Ambient tempera // No. of phases 100 1 177 1 15 1 100 1 100 1 100 3 100 3	0 - 40 - No. of poles 2 2 2 2 2 2 2 3	Power (HP) 5 15 15 25 30 30 10	Ambient temperature [°
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A0 600 A0 600 A0 600 A0 A0 600 A0 A0 600 A0 60	Ambient tempera (1) No. of phases (2) 1 (3) 1 (4) 1 (5) 1 (6) 1 (7) 1 (8) 1 (9) 1 (9) 3 (9) 3 (9) 3 (9) 3	0-40 - No. of poles 2 2 2 2 2 2 3 3	Power (HP) 5 15 15 25 30 30 10 25 40 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A0 600 At 00 At 10 110 - 12 220 - 22 277 - 27 415 - 47 440 - 44 550 - 60 110 - 12 220 - 22 415 - 47	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 15 3 10 3	0-40 - No. of poles 2 2 2 2 2 2 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A(600 A(6	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 15 3 10 3	0-40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	101	Voltage (V) A(600 A(6	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 15 3 10 3	0-40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	100	Voltage (V) A(600 A(6	Ambient tempera V) No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 10 3	0-40 - No. of poles 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	use on circuits capable of deliveri d by General Electric.	Voltage (V) At 600 At 6	Ambient tempera // No. of phases 10 1 10 1 77 1 5 1 10 1 10 1 10 3 10 3 10 3 10 3 10 3 10	0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 max. when protect	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	use on circuits capable of deliveri d by General Electric.	Voltage (V) A0 600 A0 6	Ambient tempera // No. of phases 10 1 10 1 77 1 5 1 10 1 10 1 10 3 10 3 10 3 10 3 10 3 10	0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 max. when protect	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	use on circuits capable of deliveri d by General Electric.	Voltage (V) A0 600 A0 6	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 10 3 10 3 10 3 10	0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 max. when protect	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	use on circuits capable of delivering d by General Electric. pable of delivering not more than 6	Voltage (V) A(600 A(6	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 10 3 10 3 10 3 10	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	use on circuits capable of delivering d by General Electric. upable of delivering not more than 6	Voltage (V) A(600 A(6	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 10 3 10 3 10 3 10	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	use on circuits capable of delivering d by General Electric. upable of delivering not more than 6	Voltage (V) A(600 A(6	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 10 3 10 3 10 3 10	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	
Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	use on circuits capable of delivering d by General Electric. upable of delivering not more than 6	Voltage (V) A(600 A(6	Ambient tempera // No. of phases 10 1 17 1 15 1 10 1 10 3 10 3 10 3 10 3 10 3 10 3 10	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	



General Use AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles				No. of conta	cts in series
AC	600	100	1	2					1
AC	600	100	3	3					1
General Informat	tion								
Text									
			e used with these manual mo bination with the manual mo		provided from the	e manufacture	r, or the operating	g handle and position indica	ating means
	•	•	e shall be provided with a me		he OFF-nosition				
	ioi use as a motor uis	sconnector the device	s shall be provided with a me	striod or being locked in ti	ne or r-position.				
CSA									
Nominal Voltage	•			Voltage (V) AC / DC					
				600 AC					
Rated insulation	voltage Ui			000 AC					
ratea modiation	voltage of			Voltage (V) AC / DC					
				600 AC					
Rated thermal cu	urrent								
		Curr	rent (A)	Amb	ient temperature (l Text		
			100		0 -	40			
Across-the-Line M				Voltage (V) No.	of phases No.	of poles	Power (HP)	Ambient tem	noraturo [°C]
DOL	violoi Starting			110 - 120	1. Of phases 140.	2	5 Fower (HP)	Ambient tem	40
DOL				220 - 240	1	2	15		40
DOL				277 - 277	1	2	15		40
DOL				415 - 415	1	2	25		40
DOL				440 - 480	1	2	30		40
DOL				550 - 600	1	2	30		40
DOL				110 - 120	3	3	10		40
DOL				220 - 240	3	3	25		40
DOL				415 - 415	3	3	40		40
DOL				440 - 480	3	3	50		40
DOL Temp. rating of w	uiro			550 - 600	3	3	50		40
Temp. rating of v	WIIE	Temperature ratio	na (°C)		Current	(A) Text			
		remperature ratio	75		our one				
General Use									
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles				No. of conta	cts in series
AC	277	100	1	1					1
AC	600	100	1	2					1
AC	600	100	3	3					1
GENERAL TE	ECHNICAL INFO	RMATION							
Size of conducto	or								
composition of co	anduator	Min	. / Max. value	No of conduct	Cı tor per terminal (A	ross section (I	mm²) or	Material of the wire	
solid wire	onductor	Min.		No. of conduct		5mm²		Copper Copper	
flexible wire		Min.			1 4r			Copper	
flexible wire		Max				5mm²		Copper	
flexible wire		Max			1 A	WG 2		Copper	
Single-core or str	randed wire	14	(.		1 A	WG 1/0		Copper	
Single-core or stra		Max							
flexible wire with	randed wire	Max Max	ζ.		1 50	Jmm²		Copper	
	sleeve	Max Max				Jmm² 5mm²		Copper Copper	
flexible wire with		Max Max	(.		1 35				
	sleeve	Max Max	(.		1 35	5mm²		Copper	
flexible wire with	sleeve	Max Max	(.	Length (mm)	1 35	5mm²		Copper	
flexible wire with	sleeve	Max Max	(.		1 35	5mm²		Copper	
flexible wire with Stripping length	sleeve ferrule according to I	Max Max	(.	Length (mm) -	1 35	5mm²		Copper	
flexible wire with Stripping length	sleeve ferrule according to I	Max Max	(.	14	1 35	5mm²		Copper	
flexible wire with Stripping length Recommended so Type of screw driv	sleeve ferrule according to I	Max Max	(.	14Value	1 35	5mm²		Copper	
Recommended so Type of screw drive Cross Screwdrive	sleeve ferrule according to I	Max Max DIN 46228 Min.	(.	14	1 35	5mm²		Copper	
flexible wire with Stripping length Recommended s Type of screw driv Cross Screwdriver a Slot screwdriver a	sleeve ferrule according to I	Max Max DIN 46228 Min.	(.	14Value	1 35	5mm²		Copper	
Recommended so Type of screw drive Cross Screwdrive	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5	1 35	5mm²		Copper Copper	oraue (lb-in)
flexible wire with Stripping length Recommended s Type of screw driv Cross Screwdriver a Slot screwdriver a	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	14	1 35	5mm²		Copper Copper	orque (lb-in) 27
flexible wire with Stripping length Recommended s Type of screw driv Cross Screwdriver a Slot screwdriver a	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	,
flexible wire with Stripping length Recommended si Type of screw driv Cross Screwdrive Slot screwdriver a Tightening torque	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	,
flexible wire with Stripping length Recommended so Type of screw driv Cross Screwdriver of Slot screwdriver of Tightening torque Approbations	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	27 Marking
flexible wire with Stripping length Recommended si Type of screw driv Cross Screwdriver a Tightening torque Approbations Specification	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	27 Marking
flexible wire with Stripping length Recommended so Type of screw driv Cross Screwdriver of Slot screwdriver of Tightening torque Approbations	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	27 Marking
flexible wire with Stripping length Recommended si Type of screw driv Cross Screwdriver a Tightening torque Approbations Specification	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	27 Marking
flexible wire with Stripping length Recommended si Type of screw driv Cross Screwdriver a Tightening torque Approbations Specification	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	27 Marking
Recommended si Type of screw drive Slot screwdrives Tightening torque Approbations Specification EAC	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	Marking EHL
Recommended si Type of screw drive Slot screwdriver a Tightening torque Approbations Specification EAC CE marking	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	Marking EHL
Recommended si Type of screw drive Slot screwdrives Tightening torque Approbations Specification EAC	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	27 Marking
Recommended si Type of screw drive Slot screwdriver a Tightening torque Approbations Specification EAC CE marking	sleeve ferrule according to I	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	Marking EM CE
Recommended si Type of screw drive Slot screwdriver a Tightening torque Approbations Specification EAC CE marking UK Directives	sleeve ferrule according to I screw driver fiver according to DIN 526 te of screws	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	Marking EHL
Recommended si Type of screw drive Slot screwdriver a Tightening torque Approbations Specification EAC CE marking	sleeve ferrule according to I screw driver fiver according to DIN 526 te of screws	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	Marking EM CE UK CG GG
Recommended si Type of screw drive Slot screwdriver a Tightening torque Approbations Specification EAC CE marking UK Directives	sleeve ferrule according to I screw driver fiver according to DIN 526 te of screws	Max Max DIN 46228 Min.	k.	Value PH2 1,2x6,5 torque (Nm)	1 35	5mm²		Copper Copper	Marking EM CE



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

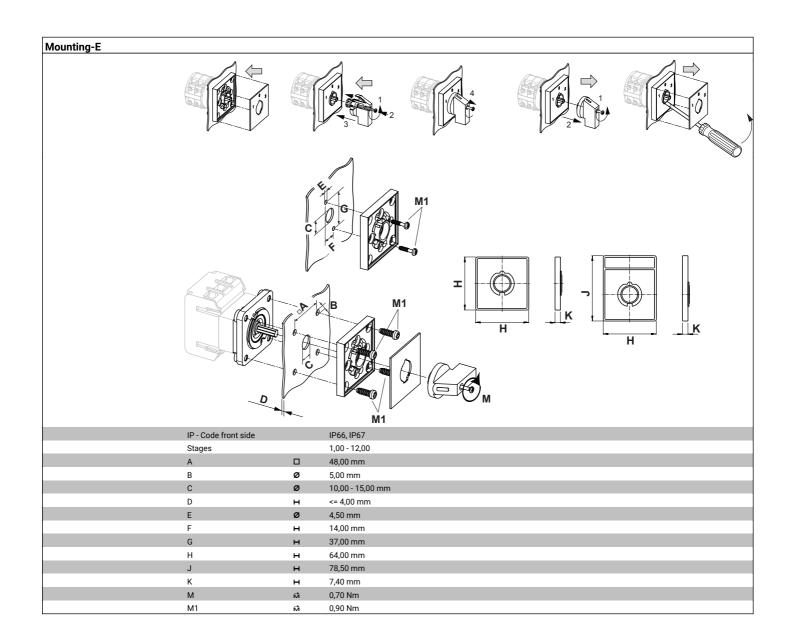
Description

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





Wiring diagram KG100.T304.E

L1 L2 L3
T1 T2 T3

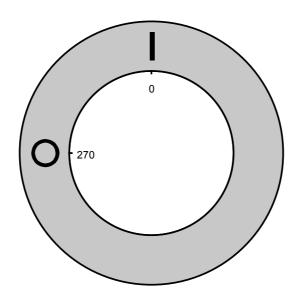


Switch program KG100.T304.E

Traus & N	imer KG100			T304	E	Page 1 of 1			
Face Plate			•						
1 0		L1 1	L2 3	L3 5	N 7	9	11	13	15
0 90		\	\	\	\\ \				
Switching Angle 90 Total switching Angle 90		2 T1	4 T2	6 T3	8 N	10	12	14	16
	270	- 1	- -						
					1				
1	0								
	+								
	90								
	180								



Face plate s1.F456/C10.V11H













Sample image

PADLOCK DEVICE

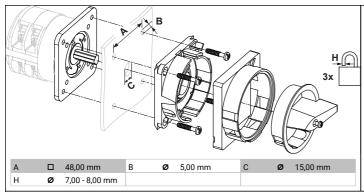
with F-handle ring

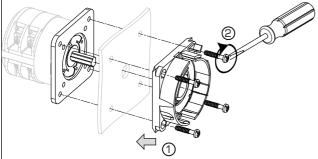
Designation: S1.V840G/A71/A2
Colour of F-handle ring: "A" black
Colour of face ring: "7" electro-grey
Locking position: "1" at 270° (1x90°)
Type of mounting: "A" for type of mounting E

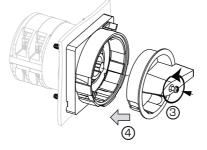
Type of mounting: "A" for type of mounting E **Type of mounting:** "A" for type of mounting GK

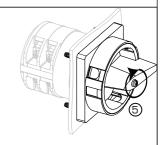
(Rose)

Switch type: "2" for KA-, KG- and KH(R)-switches









MOUNTING

- $1 + 2 \, \text{The}$ padlock device has to be mounted by four cylinder head screws from the front.
- 3 Loosen the screw and
- 4 Push it into the handle onto the shaft
- 5 Fasten the screw.



