



Sample image

Datasheet

Article number: 70014343

Designation: KG41.T103/33.KL11V **Description:** Schalter globaler Trenner

Contact development: T303 Face plate engraving: F656 Type of mounting: KL11V

Type Size: S0
Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal

Rated insulation voltage U		0660 Teil 107				
nateu ilisulation voltage o	1		Voltage ((V) AC/DC		
				90 AC		
Rated impulse withstand v	oltage Uimp					
Voltage (kV) Over	voltage catego	ry Pollutio	n degree Supply syste	em		Function
6 III		3	Valid for line	es with grounded common neut	tral termination	switch
Rated uninterrupted curre						
Current (A)	Ambient	temperature (°C)	Peak temperature (°C) a			
40		50	55 A	mbient temperature +50°C duri	ng 24 hours with peaks up to +55°C	
Conventional enclosed the	ermal current I	the				
Current (A) Ambient tem	nerature (°C)	Peak temperature (°C) Additional requirements		No. of stages (from - to) Mounting	Mounting size
our ent (1) Tunbient tem	scruture (0)	r can temperature (Ambient temperature +35°C of	luring 24 hours with neaks	to) Mounting	Widdining Size
40	35		40 up to +40°C			
Rated operational current	le					
Utilization category				Voltag		Current (A)
AC-32A				20	- 400	40
AC-20A					690	40
AC-21A					- 690	40
AC-22A					- 500	40
AC-22A				660	- 690	40
Rated operational power Utilization category			Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3			Voltage (V) 220 - 240	No. or priases	No. or poles	7,50
AC-3			380 - 440	3	3	7,30
AC-3			500 - 500	3	3	15
AC-3			660 - 690	3	3	11
AC-23A			220 - 240	3	3	7,50
AC-23A			380 - 440	3	3	15
AC-23A			500 - 500	3	3	18,50
AC-23A			660 - 690	3	3	15
Max Fuse Rating IEC						
Fuse characteristic			·		No. of Fuses	Current (A)
gG					1	50
Rated conditional short-ci						
	Curi	rent (kA)	Te	ext	cut-off current lc (kA)	Durchlassenergie I²t (kA²s)
		7,50		-	3,60	11,05
Rated breaking capacity		V 1	0.0		(1) (1) (201)	
		Voltage (Currei	nt (A) Utilization category / UL (DOL)	
		220 - 2			300 -	
		380 - 4 660 - 6			300 150	
Rated short-circuit making	r canacity lem				100	
natea short eneart making	, capacity icili					Current (A)
						3000
111 600 47 4 1 111 54	10					
UL60947-4-1 , UL50	J0					
Nominal Voltage			Valtana	V) AC/DC		
				00 AC		
Rated insulation voltage U	i		0	UU AU		
natea modiation voltage o	•		Voltage	V) AC/DC		

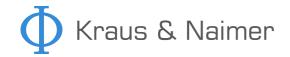


Rated thermal current

Rated thermal cu		Current				itional Text		
			42		0-40			
Horsepower ration Across-the-Line N					Voltage (V)	No. of phases	No. of poles	Power (H
00L					110 - 120	No. or priases	140. Of poles	1 04461 (11
OOL					220 - 240	1	2	
OOL					277 - 277	1	2	7,
OOL					415 - 415	1	2	7
OOL					440 - 480	1	2	
DOL					550 - 600	1	2	
DOL					110 - 120	3	3	
DOL					220 - 240	3	3	
DOL DOL					415 - 415	3	3	
DOL DOL					440 - 480 550 - 600	3	3	
Pilot duty rating	code				330 - 000			
Duty Code	Couc							
4600								
SCCR / Max. fus	e rating							
Conditions of acc	ceptability							
			g not more than 10kA rms s					
		f delivering not more tha	an 65000 rms symmetrical :	amperes 600V max., when	protected by 60A Class	J fuses.		
Temp. rating of v	wire		(1.7)					
		Temperature rating			Current (A) Text			
Connecting in the	ruotione	60	- 75					
Connecting instr Markings	UCUONS							
	surface of a type 1 en	nclosure.						
			ed with these industrial swit	ches should be provided for	rom the manufacturer			
General Use				22 30 p. 0304 II				
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles			No. of	contacts in sei
AC	277	42	1	1				
AC	600	42	1	2				
AC	600	42	3	3				
Suitable as Moto	or disconnect							
Yes/No								
100/110								
Υ								
Y General Informa	tion							
Y General Informa <i>Text</i> - When intended - The operating h	for use as switch use	dicating means to be us	rations the devices shall be sed with these manual moto ation with the manual moto	or controllers should be pr			g handle and position	indicating mea
Y General Informat Text - When intended - The operating h to be used shou - When intended	for use as switch use nandle and position ind ald have been previous	dicating means to be us sly evaluated in combin	sed with these manual moto	or controllers should be pro or controllers.	ovided from the manufa		g handle and position	indicating mea
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Y General Informa Text - When intended - The operating h to be used shou - When intended CSA	for use as switch use nandle and position inc ald have been previous for use as a motor dis	dicating means to be us sly evaluated in combin	sed with these manual moto ation with the manual moto hall be provided with a metl	or controllers should be pro or controllers. hod of being locked in the	ovided from the manufa		g handle and position	indicating mea
Y General Informa Text - When intended - The operating h to be used shou - When intended CSA	for use as switch use nandle and position inc ald have been previous for use as a motor dis	dicating means to be us sly evaluated in combin	sed with these manual moto ation with the manual moto hall be provided with a metl	or controllers should be pro or controllers.	ovided from the manufa		g handle and position	indicating mea
Y General Informat Text - When intended - The operating h to be used shou - When intended CSA Nominal Voltage	for use as switch use nandle and position in ald have been previous for use as a motor dis	dicating means to be us sly evaluated in combin	sed with these manual moto ation with the manual moto hall be provided with a metl	or controllers should be pro- or controllers. hod of being locked in the /oltage (V) AC / DC	ovided from the manufa		g handle and position	indicating mea
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Switch Measures		_				
Picture name	В	F	Н	Н1	H2	НЗ
	-	-	64	-		
GENERAL TECHNICAL INFORMATION	N					
Tightening torque of screws						
		tightening torque	(Nm) 1,80		tightening	torque (lb-in)
Stripping length			1,00			10
		Length		NT11		
Minimal ratings (voltage/current)			12 STRIPPINGLENG	ilH		
Voltage (V)	Curren	t (mA) Environment	conditions	Environment conditions 2	Environment conditions 3	
		contaminatio sulfurous con	nust be free of particula n with sulfur and/or nponents such as H2S	In case extraordinary contant with dust is expected an ade	nination equate	
20 Rated short-time withstand current lcw		5 etc.		dust protection is required.	-	
Rateu Short-time with stand current icw		Tin	ne (s)			Current (A)
			1			500
Size of conductor				Cross section (mm²)	or	
composition of conductor	Min. / Max. value		No. of conductor pe	r terminal (AWG/kcmil)	Material of the wire	
solid wire	Min.			2 0.75mm²	Copper	
solid wire flexible wire	Min. Max.			1 1.5mm² 1 AWG 6	Copper Copper	
flexible wire	Min.			1 2.5mm²	Copper	
flexible wire	Max.			1 10mm²	Copper	
flexible wire	Min.			2 1.5mm²	Copper	
Single-core or stranded wire	Max.			1 AWG 6 1 16mm ²	Copper	
Single-core or stranded wire flexible wire with sleeve	Max. Max.			1 10mm²	Copper Copper	
flexible wire with ferrule according to DIN 46228	Min.			2 0.75mm²	Copper	
flexible wire with ferrule according to DIN 46228	Min.			1 1.5mm²	Copper	
Approbations						A d a mlaina ar
Specification						Marking
EAC						EAC
CE marking						CE
UK Directives						UK
						Lloyd's Register
Lloyd's Register EMEA					IE	C 60947-3
IEC 60947-3; EN 60947-3; VDE 0660 Teil107						N 60947-3
UL 60947-4-1; CSA C22.2 No. 60947-4-1						C UL) US LISTED77B7
CSA C.22.2 No.14						(P)
GB/T14048.3						CD THANA 2
						GD/114040.3
Russian Maritme Register of Shipping						
Power loss per pole						
						Power (W)
Mechanical life						1
No. of operations		Ambient temperature	e (°C)	Number of stages	Valid for manual operation. Valid for without optional extras. The value remechanics of the device, for lifetime	efers to the
45000					electrical contacts please refer to "e	electrical life
150000 Electrical life (B10-Value)			5 - 55	***	- values".	
Utilization Time	constant			number of series		
category cos(φ)	(ms) Volta	age (V) Currei		ns contacts AC/DC	No. of phases	No. of poles
0,64 0,64	-	220 380	20 2000 15 1500		<u> </u>	1
- 0,65		380	20 2000		1	1
AC-23 -	-	500	30 1500		3	3



Electrical life (B10-Val	ue)							
Utilization category	cos(φ)	Time constant (ms)	Voltage (V)	Current (A)	No. of operations	number of series contacts AC/	DC No. of phases	No. of poles
AC-23			690	18	150000	1 AC	3	3
AC-22	_	_	690	40	100000	1 AC	3	3
-	-	50	60	2	100000	1 DC	1	1
-	_	55	110	1	150000	1 DC	1	1
-	-	55	110	1	150000	1 DC	1	1
-	_	55	110	1,50	75000	1 DC	1	1

Recommended screw driver

Value Type of screw driver PH2 Cross Screwdriver Flat blade

Degree of protection

IP - Code switch terminal

IP20

Conditions during transport and storing			
Minimu	ım temperature (°C)	Maximum temperature (°C) addition	nal requirements
	-40	85 In case	of temperatures below -5°C no shock load permissible
Shock / Vibration			
Type of oscillation		Values	
Resistance to vibration		Min. 4g, 2-100Hz, 1,6mm	
Designation to shook		min 6a 6ma	

General Information

Text

- EMC Note: This device is suitable for use in environment A and B.
- 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.
- For devices with lockable handles: the position of the handle of these devices shall be marked to guide proper operation.
- The "ON" and "OFF" position may be marked using the symbols "I" and "O" according IEC60417, Symbols 5007 and 5008.

Creepage distance

Distance (mm)

Distance (mm) 12,70

Clearance

Further Pictures						
Picture Purpose	Picture Name					
	H010/A,	, H010/C		H010/B		
	Mounting Bauform	1NO + 1NC	2x 1NO + 1NC	Mounting Bauform	1NO + 1NC	2x 1NO + 1NC
	E	33 41 1 L 34 42	33 41 53 61 1 4 1 4 34 42 54 62	E	33 41 \(\frac{1}{2}\) \(\frac{1}{34}\) \(\frac{1}{34}\)	33 41 53 61 \(\begin{array}{cccccccccccccccccccccccccccccccccccc
	VE	31 43 	31 43 51 63 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VE	31 43 	31 43 51 63

Technical Data according to UL Specificati	ions	Auxiliary Contacts KG20 - KG64B	Auxiliary Contacts KG80 - KG105C
Rated Voltage Ampere Rating	VA.C. A	600 10	600 10
Type of wire	-	Use 60/75°C copper wire only	Use 75°C copper wire only
Type of wire Temperature rating of wire	- ° C	Use 60/75°C copper wire only 60/75	Use 75°C copper wire only 75
31.	- ° C lb-in.	,	, ,

AUX.CONT Operating temperature

Min. Temperature [°C] Max. Temperature [°C]

Waste Electrical & Electronic Equipment (WEEE) 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

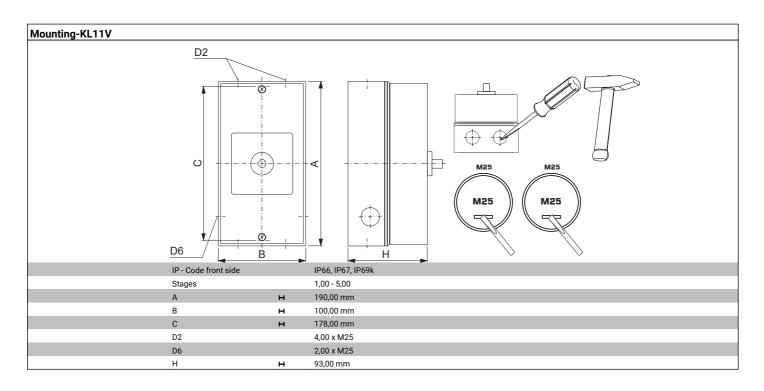
Picture name

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.

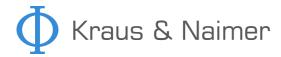






Wiring diagram KG41.T303.KL11V

A								
Mraus & Na	aimer	KG4	1	T303			Page	1 of 1
Face Plate								
1	L1 1	L2 3	L3 5	7	9	11	13	15
0 270 90	\	\	\					
Switching Angle 90 Total switching Angle 90	2 T1	4 T2	6 T3	8	10	12	14	16
0 270		12	10					
	<u> </u>							
1 0								
90								
180								
							Vers	ion: 102



Face plate s1.F656/C10.V9

