

## Datasheet

Article number: 70014344

Designation: KG64.T103/33.KL11V

**Description:** Switchgear

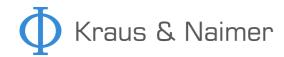
IEC 60947-3 EN 60947-3, VDE	0660 Teil 107					
Rated insulation voltage Ui						
		Voltage	e(V) AC/DC			
Rated impulse withstand voltage Uimp			690 AC			
Voltage (kV) Overvoltage catego	ry Pollution o	degree Supply sys	stem			Function
	,					Switch / Switch
6 III	3	Valid for li	nes with grounded common i	neutral termination		disconnector
Rated uninterrupted current lu/lth						
* *	temperature (°C)		additional requirements			
63 Conventional enclosed thermal current I	50	55	Ambient temperature +50°C	during 24 hours wit	h peaks up to +55°C	
Conventional enclosed thermal current i	tne			No. of stages	(from -	
Current (A) Ambient temperature (°C)	Peak temperature (°C)	Additional requirements		No. or stages	to) Mounting	Mounting size
		Ambient temperature +35°C	during 24 hours with peaks			
63 35	40	up to +40°C				
Rated operational current le Utilization category			Vo	ltage (V)		Current (A
AC-32A			VO	20 - 400		Current (A
AC-32A AC-20A				690		65
AC-21A				20 - 690		6:
AC-22A				220 - 500		6:
AC-22A				560 - 690		5
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	18,50
AC-3		500 - 500	3		3	22
AC-3		660 - 690	3		3	15
AC-23A		220 - 240	3		3	11
AC-23A AC-23A		380 - 440 500 - 500	3		3	22
AC-23A		660 - 690	3		3	18,50
Max Fuse Rating IEC		000 070	<u> </u>		<u> </u>	10,30
Fuse characteristic				No. of Fuse	es	Current (A
gG					1	63
Tested AC and DC values						
Utilization category / Time						
constant		Off or change-over switch	Vo	oltage (V) AC / DC		Current (A
DC-21B		ON - OFF		24 DC		63
DC-21B  Rated conditional short-circuit current		ON - OFF		48 DC		63
	ent (kA)		Text	cut-off current	Ic (kA)	Durchlassenergie I²t (kA²s
oun	15		-	cut on current	5,10	17,57
Rated breaking capacity			-		0,10	,
<u> </u>	Voltage (V)	•	Cı	ırrent (A) Utilizatio	n category / UL (DOL)	
	220 - 240			350 -		
	380 - 440			350		
	660 - 690			190		
Rated short-circuit making capacity Icm						
						Current (A
						3000
UL60947-4-1, UL508						
Nominal Voltage						
		Voltage	e(V) AC/DC			
			600 AC			
Rated insulation voltage Ui			0.0 40 (50			
		Voltage	e(V) AC/DC			
Dated thormal ourront			600 AC			
Rated thermal current	Current (A)		Amhiant tampara	ature (°C) Additiona	al Toyt	
	60		Аныен тепрега	0 - 40	ar reat	
Horsepower rating	00			0 40		
Across-the-Line Motor Starting		V	oltage (V) No. of phases	No. of poles	Power (HP)	Ambient temperature [°C
DOL			110 - 120 1	2	3	4(
DOL			220 - 240 1	2	7,50	40



DOL									
1					Voltage (V)	No of phases	No of noles	Power (HP)	Amhient temperature [°C
Mathematical Content		g				•	•	. ,	Ambient temperature [ 6
March   Marc									40
110   120   13   3   5   5	DOL				440 - 480	1	2	15	40
DBLC   1920 - 240   2   3   15					550 - 600	1		15	40
100.00   1415-1415   2   3   20   100	DOL				110 - 120	3	3	5	40
Dec.   140 - 140   3   3   3   3   3   3   3   3   3	DOL				220 - 240	3	3	15	40
December   Processing   Proce	DOL				415 - 415	3	3	20	40
SCORT   Mark fines ratings   Control (Control	DOL				440 - 480	3	3	30	40
Conditions of acceptability The delive is subtailed for use on is calculat capable of delivering not more than 10AA ms symmetrical empires, 600V at max, when protected by Type RKT fuses.  Solidable for use on its discutal capable of delivering in officing the mission of the protected by Type RKT fuses.  The protection of the protectio	DOL				550 - 600	3	3	40	40
This desire is suitable for uses on ciscular capable of desirency not more than 100A mes symmetrice all amprees. 600V mix., when protected by 70Be Rote 1 Surses.**  **Temp. rating of wire***  **Temp. rating of wire**  **Control 100**  **Control	SCCR / Max. fuse r	rating							
Signature   Temperature   Te									
Temperature rating of vive   10-75									s.
Tenseral Use			delivering not more than	65000 rms symmetrical	amperes 600V ma	x., when protecte	d by 70A Class J	fuses.	
Control Vising   Vi	Temp. rating of wir	re		20)					
Control   18						C	. ,		
AC   OR   Voltage   Volt	General Use		00-	73					
ACC 277 60 1 1 2 2  ACC 600 60 1 3 3 3  ACC 600 60 1 3 2  ACC 600 60 1 3 3 3  ACC 600 60 60 1 3 3 3  ACC 600 60 1 3 3 3 3 3  A		Voltage (V)	Current (A)	No of phases	No. of note	ac .			No of contacts in series
AC 600 60 13 3 3 Suitable as Motor disconnect review				•					No. or contacts in series
Account   Acco									
Suitable as Motor disconnect   Year									
MOTOR DISCONNECT-LLCSS Test						-			
Common   C					MOTO	R-DISCONNECT-I	JL/CSA Text		
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 me to be used should have been previously evaluated its conclination with the manual motor controllers.  **The intended for use as a motor disconnector the device shall be provided with a method of being locked in the OFF position.  **CSA**  **Nonimal Voltage**  **Voltage**(V) AC / DC**  **Search Insulation voltage**  **Rated insulation voltage**  **Current**  **Curren	Y								
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 me to be used should have been previously evaluated its conclination with the manual motor controllers.  **The intended for use as a motor disconnector the device shall be provided with a method of being locked in the OFF position.  **CSA**  **Nonimal Voltage**  **Voltage**(V) AC / DC**  **Search Insulation voltage**  **Rated insulation voltage**  **Current**  **Curren	General Information	on							
The operating handle and position indicating means to be used with these manual motor controllers.  When intended for use as a motor disconnector the device shall be provided with a method of being locked in the OFF-position.  CSA  Normal Voltage  Voltage (V) AC / DC  Rated insulation voltage bit  Current (A)  Current (A)  Current (A)  Current (A)  Voltage (V) AC / DC  Rated insulation voltage bit  Current (A)  Current (A)  Current (A)  Current (A)  Voltage (V)  Voltage (V)  No. of phases No. of points No. of points No. of points No. of contracts in sea ACC / DC									
to be used should have been previously evaluated in combination with the manual motor controllers.	- The operating han	ndle and position ind	icating means to be use	d with these manual moto	or controllers shou	ıld be provided fr	om the manufacti	rer, or the operat	ing handle and position indicating means
Second   S								, operat	5 Francis maioaning mount
CSA   Nominal Voltage   Voltage (P)   AC / DC   Section   Voltage (P)   No. of phases   No. of poles   Power (PP)   Additional Text   Voltage (P)   Ac / DC   Section   Voltage (P)   No. of phases   No. of poles   Power (PP)   Additional Text   Voltage (P)   No. of phases   No. of poles   Power (PP)   Additional Text   Voltage (P)   No. of phases   No. of poles   Power (PP)   Additional Text   Voltage (P)   No. of phases   No. of poles   Power (PP)   Additional Text   Voltage (P)   No. of phases   No. of poles   No. of p		•	•			d in the OFF-posi	tion.		
Nominal Voltage   Voltag				,					
Voltage (V) AC / DC   CRated insulation voltage Ui									
Redef insulation voltage U    Strateging   No   No   No   No   No   No   No   N	Nominal Voltage			,	Valtage (V) AC / F	00			
Note						lC .			
Voltage (V) AC / DC   Coltage (V) Additional Text   Coltage (V) Acrossheline Motor Starting   Voltage (V) No. of phases   No. of poles   Power (HP)   Ambient temperature (C)   Coltage (V)   Coltage (V)   No. of phases   No. of poles   Power (HP)   Ambient temperature (C)   Coltage (V)   Coltage (V)   No. of phases   No. of poles   No. of pol	Datad insulation us	-14			600 AC				
Retor Hermal current	Rated insulation vo	ntage oi		,	Voltage (V) AC / F	)C			
Note						<i>.</i>			
Current (A)   Ambient temperature (**O) Additional Text   Continue   Contin	Dated thormal curr	ront			BUU AC				
No. of place   1.40	Nateu tileiiliai cui i	ent	Current (	(A)		Amhient temper	ature (°C) Addition	nal Toyt	
Horsepower rating						Ambient temper		nui rext	
	Horsepower rating						0 .0		
DOL					Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C
DOL		•				•	•	. ,	, 40
DOL	DOL				220 - 240	1	2	7,50	40
Main	DOL				277 - 277	1	2	7,50	40
DOL	DOL				415 - 415	1	2	10	40
DOL	DOL				440 - 480	1	2	15	40
DOL	DOL				550 - 600	1	2	15	40
DOL	DOL				110 - 120	3	3	5	40
DOL	DOL				220 - 240	3	3	15	40
DOL   S550 - 600   3   3   40	DOL				415 - 415	3	3	20	40
Temperature rating (***)	DOL				440 - 480	3	3	30	40
Temperature rating (**C)	DOL				550 - 600	3	3	40	40
Commain	Temp. rating of wir	re							
Centeral Use			, , ,	•		C	urrent (A) Text		
AC				75					
AC									
AC 600 60 3 3 3  Suitable as Motor disconnect  Yes/No Yes/No NASTER DATA  MAX. number of stages  Number of stages  Number of stages Modul  4 KO  Switch Measures  Picture name B F H H1 H2  GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V)  Current (mA) Environment conditions  Ambient air must be free of particular contamination with sulfur and/or  And Current in Max and a see extraordinary contamination with dust is expected an adequate				•	•				No. of contacts in series
AC 600 60 3 3  Suitable as Motor disconnect  Yes/No Yes/No MASTER DATA  Max. number of stages  Number of stages  Number of stages  Number of stages  Nodul  KN  Switch Measures  Picture name  B F H H H H H H  GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V)  Current (mA) Environment conditions  Environment conditions 2  Environment conditions 3  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate									
Suitable as Motor disconnect  Yes/No  MOTOR-DISCONNECT-UL/CSA Text  YES/NO  MASTER DATA  Max. number of stages    Number of stages									
Yes/No Yes/No Yes/No Yes/No Y   MOTOR-DISCONNECT-UL/CSA Text SUITABLE FOR MOTOR DISCONNECT.  MASTER DATA  Max. number of stages  Nodul  KO  Switch Measures  Picture name B F H H1 H2  GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V)  Current (mA) Environment conditions  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate			60	3		3			
MASTER DATA  Max. number of stages    Number of stages   Modul		aisconnect				D D100011155	U (00A T :		
Max. number of stages    Number of stages   Modul									
Max. number of stages    Number of stages   Modul	•				SULLA	BLE FUR MUTOR	DISCUNNECT.		
Number of stages   Modul   4   KO    Switch Measures   Ficture name   B   F   H   H1   H2    GENERAL TECHNICAL INFORMATION    Minimal ratings (voltage/current)   Voltage (V)   Current (mA)   Environment conditions   Environment conditions 2   Environment conditions 3    Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate	MASTER DATA	Α							
Switch Measures  Picture name  B F H H1 H2  GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V) Current (mA) Environment conditions Environment conditions 2 Environment conditions 3  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate	Max. number of sta	ages							
Switch Measures  Picture name  B F H H1 H2  GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V) Current (mA) Environment conditions Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate				numbe					
Picture name  B F H H1 H2  GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V) Current (mA) Environment conditions  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate					4 KO				
GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V)  Current (mA) Environment conditions  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate									
GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V)  Current (mA) Environment conditions  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate			В	F		Н	Н	1	H2 H3
GENERAL TECHNICAL INFORMATION  Minimal ratings (voltage/current)  Voltage (V)  Current (mA) Environment conditions  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate									
Minimal ratings (voltage/current)  Voltage (V)  Current (mA) Environment conditions  Environment conditions 2  Environment conditions 3  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate		Н	_	_		64		_	_
Voltage (V)  Current (mA) Environment conditions  Environment conditions 2  Environment conditions 3  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate	Picture name					64			
Voltage (V)  Current (mA) Environment conditions  Environment conditions 2  Environment conditions 3  Ambient air must be free of particular contamination with sulfur and/or with dust is expected an adequate	Picture name		 !MATION			64		-	
contamination with sulfur and/or with dust is expected an adequate	Picture name  GENERAL TEC	CHNICAL INFOR	 RMATION	<del>-</del>		64		-	
contamination with sulfur and/or with dust is expected an adequate	Picture name  GENERAL TEC	CHNICAL INFOR oltage/current)		Current (mA) Environn	nent conditions		vironment condition	 ons 2	Environment conditions 3
	Picture name  GENERAL TEC	CHNICAL INFOR oltage/current)		, ,		En			
24 500 sulfurous components such as H2S dust protection is required	Picture name  GENERAL TEC	CHNICAL INFOR oltage/current)		Ambient	t air must be free o	<i>En</i> of particular In 6	case extraordinar	contamination	

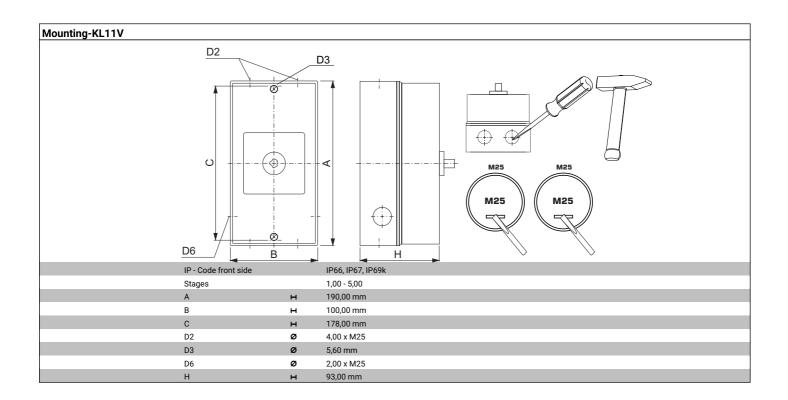


Rated short-time withstand curre	ent Icw								
				Time (s)					Current (
ize of conductor				1					5
						Cross section	n (mm²) c	or	
omposition of conductor		Min. / Max. va	alue	No	o. of conductor per termin		)	Material of the wire	
olid wire		Min.				2 0.75mm²		Copper	
olid wire		Min.				1 1.5mm²		Copper	
exible wire		Max.				1 AWG 6		Copper	
exible wire		Min.				1 2.5mm <sup>2</sup>		Copper	
exible wire		Max.				1 10mm <sup>2</sup>		Copper	
exible wire		Min.				2 1.5mm <sup>2</sup>		Copper	
ingle-core or stranded wire		Max.				1 AWG 6		Copper	
ingle-core or stranded wire		Max.				1 16mm <sup>2</sup>		Copper	
exible wire with sleeve		Max.				1 10mm <sup>2</sup>		Copper	
exible wire with ferrule accordin	g to DIN 46228	Min.				2 0.75mm <sup>2</sup>		Copper	
exible wire with ferrule accordin	g to DIN 46228	Min.				1 1.5mm <sup>2</sup>		Copper	
tripping length									
				Length (mm)					
				12					
ecommended screw driver				12	<u>→ └ </u>				
ype of screw driver					Value				
Cross Screwdriver					PH2				
lot screwdriver according to DIN	1 5264				1,2x6,5				
ightening torque of screws					.,				
ignicining torque or coreiro			tighten	ing torque (Nm)				tighteni	ng torque (lb
				1,80				<u> </u>	<b>3</b> , (
ower loss per pole									Power (
tackanical life									2
Mechanical life	operating cycles		Δmhient t	emperature (°C)		Number	of stanes	Limitations	
140. 01 4	sperating cycles		7 imbient t	emperature ( o)		Hamber	or olugeo	Valid for manual operation. Valid	for ewitches
								without optional extras. The value	e refers to the
								mechanics of the device, for lifeti	
	150000			E EE				electrical contacts please refer to values". One operating cycle mea	electrical li
lectrical life (B10-Value)	130000			-5 - 55				values . One operating cycle mea	1115 0-1-0.
• • • • • • • • • • • • • • • • • • • •	T:								
ltilization ategory c	ros(φ)	constant (ms)	Voltage (V)	Current (A)	No. of operations	umber of series contacts	AC/DC	No. of phases	No. of po
ategory	0,64	(1115)	220	20	200000		AC/DC	No. or priases	No. or por
	0,65	_	380	20	200000		AC	1	
.C-23			500	45	94000		AC	3	
.C-22	_	_	500	63	50000		AC	3	
iC-23	-		690	22,40	150000		AC	3	
10-23									
	-	50	60	2	100000		DC	1	
anna of mustastian	<del>-</del>	55	110	1,50	75000	I	DC	1	
egree of protection									
P - Code switch terminal									
20 Conditions during transport and	storing								
onunions during transport and		mperature (°C)			Maximum tempera	ture (°C) addition	nal requi	rements	
		-40			, , , , , , , , , , , , , , , , , , , ,			eratures below -5°C no shock load	permissible
hock / Vibration									
ype of oscillation					Values				
esistance to vibration					Min. 4g, 2-100Hz, 1,6mr	n			
esistance to shock					min. 6g, 6ms				
eneral Information									
ext									
EMC Note: This device is suitab	le for use in enviro	nment A and B.							
Do not lubricate or treat contact	S.								
Switches may only be mounted,	connected and se	t into operation b	v qualified pers	ons according to	the accepted rules of te	chnology.			
Use copper wire only. Do not co		•	, ,	3		3,			
			tion Toko oo	والمغممة ممانييات مد	stian ta anausa faatan fit	end limbe are mad	last burn	ndaina hath aidea af linkad tarrain.	ala Aftauiu
all terminal screws must be tigh				ire during installa	ation to ensure factory in	teu iiriks are noi	lost by u	ndoing both sides of linked termina	ais. Aitei wii
reepage distance	terieu to recomme	snaea torque spec	cilications.						
reepage distance									Distance (m
									12
learance									
									Distance (m 12
perating temperature									12,
			Min. T	emperature [°C]				Max. T	emperature [
	inment (WFFF)			-5					
acta Flactrical & Flactronia Fa-	III I I I I I I I I I I I I I I I I I								
icture name Description									
· · · · · · · · · · · · · · · · · · ·		re must be taken	to ensure enviro	onmentally soun	d disposal and recycling.	Please either us	se an envi	ronmentally friendly waste disposa at www.krausnaimer.com	al company



Proposition 65	
Picture name	Description
$\triangle$	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





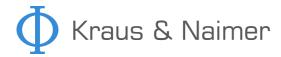
## Wiring diagram KG64.T303.KL11V

L	.1 L2 L3
Т	T1 T2 T3



## Switch program KG64.T303.KL11V

0 E	180		L1 1	L2 3	L3 5	7	9	11	13	1 of 1
Switching A	70 9	0	1	3	5	7	9	11	13	15
Switching A	180	0	\	\I	\1					
		/			•					
				<u>'</u>	. '					
Total switc	Angle hing Angle	90 90	2 T1	4 T2	6 T3	8	10	12	14	16
	0	270								
	1	0								
		90								
		180								



## Face plate s1.F656/C10.V9

