



Datasheet

Article number: 70025630 Designation: KG32.T204/D-A020.KL51V Description: Switchgear

Sample image

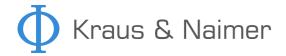
IEC 60947-3 EN 60947	-3, VDE 0660 1	Feil 107				
Rated insulation voltage Ui						
				Voltage (V) AC / DC 690 AC		
Rated impulse withstand volta	ae I limn			690 AC		
Voltage (kV) Overvolta		Pollution de	gree	Supply system		Function
	0 0 ,		0			Switch / Switch
6 III		3		Valid for lines with grounded common	neutral termination	disconnector
Rated uninterrupted current lu		(*0)	Dealstenen	rature (°C) additional requirements		
Current (A) 32	Ambient temperat	50	Реак тетре	rature (°C) additional requirements	during 24 hours with peaks up to +55°C	
Conventional enclosed therma	current Ithe	50		35 Ambient temperature +50 C	during 24 hours with peaks up to +55 C	
Conventional enclosed menne	- ourrent nine				No. of stages (from -	
Current (A) Ambient tempera	ture (°C) Peak te	emperature (°C)			to) Mounting	Mounting size
32	35	40	Ambient temper up to +40°C	ature +35°C during 24 hours with peaks		
Rated operational current le	35	40	up to +40 C			
Utilization category				Va	Itage (V)	Current (A)
AC-32A					20 - 400	32
AC-20A					690	32
AC-21A					20 - 690	32
AC-22A					220 - 500	32
AC-22A				6	60 - 690	32
Rated operational power			Valtage (11)	No of plana	No of color	Dever (LUA)
Utilization category AC-3			Voltage (V) 220 - 240	No. of phases 3	No. of poles 3	Power (kW) 5,50
AC-3			380 - 440	3	3	7,50
AC-3			500 - 500	3	3	7,50
AC-3			660 - 690	3	3	7,50
AC-3			220 - 240	1	2	3
AC-3			380 - 440	1	2	5,50
AC-23A			220 - 240	3	3	5,50
AC-23A			380 - 440	3	3	11
AC-23A			500 - 500	3	3	11
AC-23A			660 - 690	3	3	11
AC-23A AC-23A			220 - 240 380 - 440	1	2	4,20 7,50
Max Fuse Rating IEC			380 - 440	I	Ζ	7,50
Fuse characteristic					No. of Fuses	Current (A)
qG					1	35
Rated conditional short-circuit	current					
	Current (kA)			Text	cut-off current Ic (kA)	Durchlassenergie I²t (kA²s)
	15			-	3,50	5,62
Rated breaking capacity						
		Voltage (V)		Cu	rrent (A) Utilization category / UL (DOL)	
		220 - 240			220 -	
		380 - 440 660 - 690			220 135	
Rated short-circuit making ca	nacity Icm	040 - 040			130	
Rated short-circuit making ca						Current (A)
						1000
UL60947-4-1 , UL508						
Nominal Voltage						
Noniniai voitage				Voltage (V) AC / DC		
				600 AC		
Rated insulation voltage Ui						
j				Voltage (V) AC / DC		
				600 AC		
Rated thermal current						
		Current (A)		Ambient tempera	ture (°C) Additional Text	
		30			0 - 40	



Horsepower ratin Across-the-Line M				Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL				110 - 120	1	2	1,50	40
DOL				200 - 208	1	2	3	40
DOL				220 - 240	1	2	5	40
DOL				277 - 277	1	2	5	40
DOL				415 - 415	1	2	5	40
DOL				440 - 480	1	2	7,50	40
DOL				550 - 600	1	2	7,50	40
DOL DOL				110 - 120	3	3	3 10	40
DOL				200 - 240 415 - 415	3	3	10	40 40
DOL				413-413	3	3	20	40
DOL				550 - 600	3	3	25	40
Pilot duty rating c	code			000 000	<u> </u>	<u> </u>	20	
Duty Code								
A600								
SCCR / Max. fuse	e rating							
Conditions of acce								
			ig not more than 10kA rms					
		f delivering not more th	an 65000 rms symmetrica	l amperes at 600V i	max., when protec	cted by 40A Class	s J fuses.	
Temp. rating of w	/ire	T	(10)		0	Terret (A) Terret		
		Temperature rating) - 75		01	urrent (A) Text		
Connecting instru	ictions	61	5-13					
Markings								
	surface of a type 1 er	nclosure.						
			ed with these industrial sw	itches should be pr	ovided from the n	nanufacturer.		
General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of pole	es			No. of contacts in series
AC	277	30	1		1			1
AC	600	30	1		2			1
AC	600	30	3		3			1
Suitable as Motor	r disconnect			MOTO	R-DISCONNECT-L	IL /OCA Taut		
Yes/No Y					R-DISCONNECT-C	JL/USA Text		
General Informati	ion							
Text								
i to be used should			used with these manual mo nation with the manual mo		Id be provided fro	cked in the OFF-p om the manufact	urer, or the operating har	ndle and position indicating means
- When intended for	ld have been previou	isly evaluated in combir		tor controllers.		om the manufact	urer, or the operating har	ndle and position indicating means
	ld have been previou	isly evaluated in combir	nation with the manual mo	tor controllers.		om the manufact	urer, or the operating har	ndle and position indicating means
- When intended for CSA	ld have been previou	isly evaluated in combir	nation with the manual mo	tor controllers.	d in the OFF-posi	om the manufact	urer, or the operating har	ndle and position indicating means
- When intended for CSA	ld have been previou	isly evaluated in combir	nation with the manual mo	tor controllers. ethod of being locke	d in the OFF-posi	om the manufact	urer, or the operating ha	ndle and position indicating means
- When intended for CSA	ld have been previous or use as a motor dis	isly evaluated in combir	nation with the manual mo	tor controllers. ethod of being locke Voltage (V) AC / E 600 AC	ed in the OFF-posi	om the manufact	urer, or the operating ha	ndle and position indicating means
- When intended for CSA Nominal Voltage	ld have been previous or use as a motor dis	isly evaluated in combir	nation with the manual mo	tor controllers. ethod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L	ed in the OFF-posi	om the manufact	urer, or the operating ha	ndle and position indicating means
- When intended for CSA Nominal Voltage Rated insulation v	Id have been previous or use as a motor dis voltage Ui	isly evaluated in combir	nation with the manual mo	tor controllers. ethod of being locke Voltage (V) AC / E 600 AC	ed in the OFF-posi	om the manufact	urer, or the operating ha	ndle and position indicating means
- When intended for CSA Nominal Voltage	Id have been previous or use as a motor dis voltage Ui	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me	tor controllers. ethod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L	nd in the OFF-posi	om the manufact		ndle and position indicating means
- When intended for CSA Nominal Voltage Rated insulation v	Id have been previous or use as a motor dis voltage Ui	isly evaluated in combir	nation with the manual mo shall be provided with a me nt (A)	tor controllers. ethod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L	nd in the OFF-posi	om the manufact tion. ature (°C) Additic		ndle and position indicating means
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me	tor controllers. ethod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L	nd in the OFF-posi	om the manufact		ndle and position indicating means
- When intended for CSA Nominal Voltage Rated insulation v	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. ethod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L	nd in the OFF-posi	om the manufact tion. ature (°C) Additic		ndle and position indicating means
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC	Ad in the OFF-posi	om the manufact tion. ature (°C) Additic 0 - 40 No. of poles 2	inal Text	Ambient temperature [°C] 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120 220 - 240	Ambient tempera No. of phases 1	ature (°C) Addition 0 - 40 No. of poles 2 2	nal Text Power (HP) 1,50 5	Ambient temperature [°C] 40 40
- When intended fr CSA Nominal Voltage Rated insulation V Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke Voltage (V) AC / E 600 AC Voltage (V) AC / E 600 AC Voltage (V) AC / E 110 - 120 220 - 240 277 - 277	Ambient tempera No. of phases 1 1	om the manufact tion. ature (°C) Additio 0 - 40 - No. of poles 2 2 2 2	nal Text Power (HP) 1,50 5 5	Ambient temperature [*C] 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation V Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415	Ad in the OFF-posi DC Ambient tempera No. of phases 1 1 1 1	om the manufact tion. ature (°C) Additio 0 - 40 - No. of poles 2 2 2 2 2	nal Text Power (HP) 1,50 5 5 5 5	Ambient temperature [°C] 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC 200 240 277 - 277 415 - 415 440 - 480	Ambient tempera No. of phases 1 1 1 1 1	om the manufact tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 2 2 2 2 2 2 2 2	nnal Text Power (HP) 1,50 5 5 5 7,50	Ambient temperature [°C] 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratim Across-the-Line M DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600	Ambient tempera No. of phases 1 1 1 1 1 1 1	ature (°C) Addition ature (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 2 2 2 2 2 2 2	Power (HP) 1,50 5 5 5 7,50 7,50	Ambient temperature [*C] 40 40 40 40 40 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke 600 AC 600 AC Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	Ambient tempera No. of phases 1 1 1 1 3	ature (°C) Addition ature (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 3	Power (HP) 1,50 5 5 5 7,50 7,50 3	Ambient temperature [*C] Ambient temperature [*C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation V Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke 600 AC / C 600 AC / C 701tage (V) AC / L 600 AC / C 701tage (V) AC / L 701tage (V)	Ambient tempera No. of phases 1 1 1 1 3 3 3	ature (°C) Addition 0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3	nnal Text Power (HP) 1,50 5 5 5 7,50 7,50 3 10	Ambient temperature [*C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke 600 AC 600 AC Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	Ambient tempera No. of phases 1 1 1 1 3	ature (°C) Addition ature (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 3	Power (HP) 1,50 5 5 5 7,50 7,50 3	Ambient temperature [*C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent	Isly evaluated in combin sconnector the device s	nation with the manual mo shall be provided with a me nt (A)	tor controllers. thod of being locke Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415	Ambient tempera No. of phases 1 1 1 1 1 3 3 3 3	om the manufact tion. ature (°C) Additio 0 - 40 - No. of poles 2 2 2 2 2 2 2 3 3 3 3	nnal Text Power (HP) 1,50 5 5 5 7,50 7,50 7,50 3 10 10	Ambient temperature [*C] 40 40 40 40 40 40 40 40 40 40 40 40 40
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- When intended fr CSA Nominal Voltage Rated insulation V Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting	Isly evaluated in combin sconnector the device s Currer	hation with the manual mo shall be provided with a me nt (A) 30	tor controllers. thod of being locked Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 220 - 241 440 - 480	Ambient tempera No. of phases 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3	om the manufact tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [°C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting	Isly evaluated in combin sconnector the device s	hation with the manual mo shall be provided with a me nt (A) 30	tor controllers. thod of being locked Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 220 - 241 440 - 480	Ambient tempera No. of phases 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3	om the manufact tion. ature (°C) Additic 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [°C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation V Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting	Isly evaluated in combin sconnector the device s Currer	hation with the manual mo shall be provided with a me nt (A) 30	tor controllers. thod of being locked Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 220 - 241 440 - 480	Ambient tempera No. of phases 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3	om the manufact tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [°C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended fr CSA Nominal Voltage Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting code vire	Isly evaluated in combinisconnector the device s	hation with the manual mo shall be provided with a me nt (A) 30 7 (°C) 75	tor controllers. thod of being locked Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 220 - 240 550 - 600	And in the OFF-position of	om the manufact tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [°C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended for CSA Nominal Voltage Rated insulation v Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting code vire Voltage (V)	Sty evaluated in combin sconnector the device s Currer	nation with the manual mo shall be provided with a me nt (A) 30 7 (°C) 75 No. of phases	tor controllers. thod of being locked Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 	Ambient tempera	om the manufact tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C] 40 40 40 40 40 40 40 40 40 40
- When intended for CSA Nominal Voltage Rated insulation v Rated insulation v Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting code vire	Isly evaluated in combinisconnector the device s	hation with the manual mo shall be provided with a me nt (A) 30 7 (°C) 75	tor controllers. thod of being locked 600 AC Voltage (V) AC / L 600 AC Voltage (V) AC / L 600 AC Voltage (V) AC / L 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 10 - 120 220 - 240 10 - 120 20 - 240 20 - 20 - 240 20 - 20 - 240 20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	And in the OFF-position of	om the manufact tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C] 40 40 40 40 40 40 40 40 40 40 40 40 40
- When intended for CSA Nominal Voltage Rated insulation V Rated insulation V Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent g fotor Starting code vire Voltage (V) 277	Sty evaluated in combin sconnector the device s Currer	nation with the manual mo shall be provided with a me nt (A) 30 7 (°C) 75 No. of phases 1	tor controllers. thod of being locke 600 AC Voltage (V) AC / L 600 AC 200 240 277 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600 No. of pole	Ambient tempera No. of phases No. of phases 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	om the manufact tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C] 40
- When intended for CSA Nominal Voltage Rated insulation V Rated insulation V Rated thermal cur Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting code vire Voltage (V) 277 600 600	Isly evaluated in combin sconnector the device s Currer Currer	nation with the manual mo shall be provided with a me nt (A) 30 9 (°C) 75 No. of phases 1 1	tor controllers. thod of being locke 600 AC 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 20 0 10 - 120 220 - 20 0 0 10 - 120 10 - 1	And in the OFF-position of	om the manufact tion. ature (°C) Additic 0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 4 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C] 40
- When intended for CSA Nominal Voltage Rated insulation V Rated insulation V Rated thermal cur Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	Id have been previous or use as a motor dis voltage Ui rrent Ig fotor Starting code vire Voltage (V) 277 600 600	Isly evaluated in combin sconnector the device s Currer Currer	nation with the manual mo shall be provided with a me nt (A) 30 9 (°C) 75 No. of phases 1 1	tor controllers. thod of being locke 600 AC / D 600 AC / D 701tage (V) AC	Ambient tempera No. of phases No. of phases 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ature (°C) Additio ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 - Irrent (A) Text JL/CSA Text	Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C] 40



MASTER DATA								
Max. number of stages		number of stag	Modul					
		number of stag	4 KO					
Switch Measures			1 110					
Picture name	В	F	Н	H1	H2	H3		
	-	-	54	-				
GENERAL TECHNICAL INFORMATION								
Minimal ratings (voltage/current)								
Voltage (V)	Current	(mA) Environment co		Environment conditions 2	Environment conditions 3			
24		contamination v	st be free of particular with sulfur and/or onents such as H2S	In case extraordinary contan with dust is expected an ade dust protection is required.	nination quate 			
Rated short-time withstand current Icw		Time	(s)			Current (A)		
		11110	1			430		
Size of conductor								
composition of conductor	Min. / Max. value		No. of conductor per	Cross section (mm²) (terminal (AWG/kcmil)	or Material of the wire			
solid wire	Min.			1 0.75mm ²	Copper			
solid wire	Min.			2 0.5mm ²	Copper			
flexible wire	Min.			2 0.75mm ²	Copper			
flexible wire	Max.			1 AWG 10	Copper			
flexible wire flexible wire	Max. Min.			1 4mm ² 1 1.5mm ²	Copper			
Single-core or stranded wire	Max.			1 6mm ²	Copper Copper			
Single-core or stranded wire	Max.			1 AWG 10	Copper			
flexible wire with sleeve	Max.			1 4mm ²	Copper			
flexible wire with ferrule according to DIN 46228	Min.			1 0.75mm ²	Copper			
flexible wire with ferrule according to DIN 46228	Min.			2 0.5mm ²	Copper			
Stripping length								
		Length (m	m)					
N 11 11			9					
Recommended screw driver Type of screw driver			Value					
Cross Screwdriver			PH2					
Slot screwdriver according to DIN 5264			0,8x4					
Tightening torque of screws								
		tightening torque (N	m)		tightening t	orque (lb-in)		
		1	,25			11		
Power loss per pole						Power (W)		
						1,10		
Mechanical life								
No. of operating cycles		Ambient temperature (°C)	Number of stages	Valid for manual operation. Valid for without optional extras. The value ret mechanics of the device, for lifetime	of the		
200000		-5 -	55		electrical contacts please refer to "elevalues". One operating cycle means (
Electrical life (B10-Value)								
Utilization Time co	nstant (ms)		(A) No of or or other	number of series	No of these	No of poles		
category cos(φ) 0,59	(ms) Volta	ge (V) Current 220	(A) No. of operation 15 20000		No. of phases 1	No. of poles		
- 0,64	-		20 20000		1	1		
AC-23 -	-		22 17500		3	3		
AC-23 -	-		13 20000		3	3		
AC-22			32 10000		3	3		
	50	60	2 6000		1	1		
	55	110 1	,50 10000	0 1 DC	1	1		
Degree of protection IP - Code switch terminal IP20								
Conditions during transport and storing								
Minimum tem			Maximum te	mperature (°C) additional requi				
	-40			85 In case of temp	peratures below -5°C no shock load per	missible		
Shock / Vibration			Values					
Type of oscillation Resistance to vibration			Values Min. 4g, 2-100Hz,	1.6mm				
Resistance to shock			min. 4g, 2-100Hz, min. 6g, 6ms	i,oiliili				
General Information			min. og, oms					
Text								
- EMC Note: This device is suitable for use in environ	ment 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.

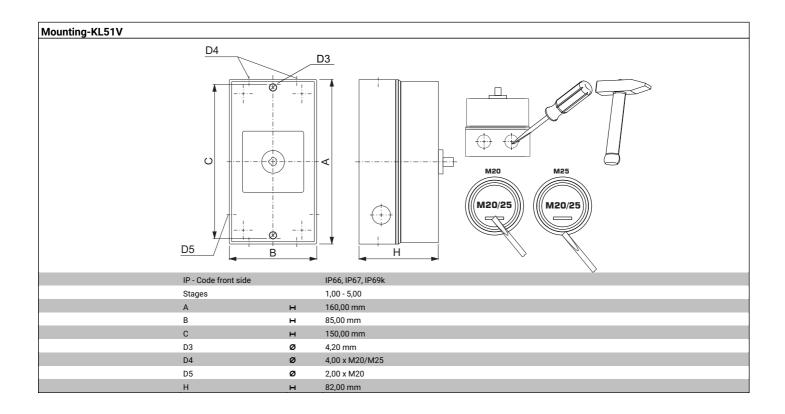
- For devices with lockable handles: the position of the handle of these devices shall be marked to guide proper operation.

- The "ON" and "OFF" position may be marked using the symbols "I" and "O" according IEC60417, Symbols 5007 and 5008.

Creepage distance Distance (mm) 12,70 Clearance Distance (mm) 12,70 **Operating temperature** Min. Temperature [°C] Max. Temperature [°C] 55 -5 Waste Electrical & Electronic Equipment (WEEE) Picture name Description X 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. \land

Classification Contact: Rigid contact bridge Classification Contact Mat: Silver

Classification Terminal: Screw terminal





	Wiring diagram KG32.T304.KL51V
L1 L2 L3 N	
$\gamma \gamma \gamma \gamma \gamma$	
T1 T2 T3 N	

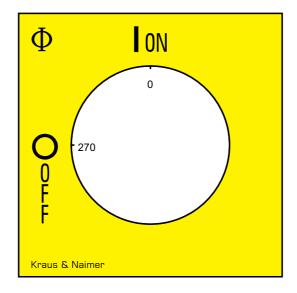


Switch program KG32.T304.KL51V

Ж и ани								
Φ Kraus & Na	limer	KG3	2	T304			Page	1 of 1
Face Plate								
1	L1 1	L2 3	L3 5	N 7	9	11	13	15
		5	<u> </u>	'			15	15
0 - 270 90 -	. 1	. 1	. 1	۲				
180		\backslash	\mathbf{A}					
		I	I					
Switching Angle 90	2	4	6	8	10	12	14	16
Total switching Angle 90	T1	T2	Т3	N				
0 270								
1 0								
90								
180								



Face plate





AUXILIARY CONTACTS

(cam operated) for switch type KG20 - KG100C and KH(R)16 - KH(R)25B

Designation: K0.M510A/2CA-B Number of contacts: "2" 2 auxiliary contacts Operation of contacts: "C" 1 auxiliary contact closed in pos. 1 and 1 auxiliary contact closed in pos. 0 (NO/NC)

Type of version: "A" 1. auxiliary contact module **Type of mounting:** "-B" for type of mounting VE, VE2, silver contacts

IEC 60947-3 EN 60	0947-3. VDE	0660 Tei	l 107									
Nominal Voltage												
					Voltag	e(V) AC/DC						
						500 AC						
D. t. d						690 AC						
Rated uninterrupted curr			(%)	Dealsta	manatura (°C)	additional requirements						
Current (A) 10	Ambien	t temperature	55	Реак те	nperature (°C)	additional requirements	EE°C du	ring 24 hours with	nooko un to t	60%0		
10			55 55			Ambient temperature +5 Ambient temperature +5						
Conventional enclosed t	hermal current	Ithe	55		00	Ambient temperature +	55 C uu	ing 24 nours wit	peaks up to +	00 0		
Conventional enclosed a	nermai carrent							No. of stages (from -			
Current (A) Ambient ter	mperature (°C)	Peak temp	oerature (°C)	Additional re	quirements				to) Mountin	ng	Mounting size	
10	05		10	Ambient ten	perature +35°0	C during 24 hours with pe	eaks					
10	35		40	up to +40°C) dunin a OA barra suith as						
16	35		40	up to +40°C	iperature +35°C	C during 24 hours with pe	eaks					
Rated operational curren				up to + 10 0								
Utilization category							Volta	age (V)			С	Current (A)
AC-15								0 - 240				2,50
AC-15							380	0 - 440				1,50
AC-15								500				1
AC-21A								500				10
Max Fuse Rating IEC												
Fuse characteristic								No. of Fuse	s		С	Current (A)
gG									1			10
UL60947-4-1, UL5	508											
Nominal Voltage												
					Voltag	e (V) AC / DC						
						600 AC						
Rated insulation voltage	Ui											
					Voltag	e(V) AC/DC						
						600 AC						
Rated thermal current												
			Current (A)			Ambient ten	nperatu	re (°C) Additiona	Text			
B ¹ · I · · · · I			10					0 - 40				
Pilot duty rating code												
Duty Code												
A600 General Use												
	oltage (V)	Current (A)		No. of phas	22	No. of poles					No. of contacts	a in aariaa
AC / DC V	600	10		NO. OI PIIAS	1	1					NO. OF COMACE	5 III Series 1
					•	· · · · ·						
GENERAL TECHNI		MATION										
Minimal ratings (voltage									-			
	Voltage (V)			Current (mA)	Environment o		Enviro	onment conditions	2	Environment	conditions 3	
						ust be free of particular with sulfur and/or	In cas	se extraordinary c	ontamination			
					sulfurous com	ponents such as H2S	with c	dust is expected a	n adequate			
<u></u>	20			5	etc.		dust p	protection is requi	red.			
Size of conductor									2)			
composition of conducto	r		Min. / Max.	value		No. of conductor per t	terminal	Cross section (r I (AWG/kcmil)	nm²) or	Material o	of the wire	
solid wire	•		Min. / Max.			. to. or conductor per t		0.5mm ²		Copper		
solid wire			Min.					2 0.5mm ²		Copper		
flexible wire			Min.					0.75mm ²		Copper		
flexible wire			Min.					2 0.75mm ²		Copper		
flexible wire			Max.					2 AWG 16		Copper		
flexible wire			Max.					2 1.5mm ²		Copper		
							_					



[-· · ·				
Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm ²) or	Material of the wire
Single-core or stranded wire	Min. / Max. Value Max.		AWG/kcmii) AWG 14	Copper
Single-core or stranded wire	Max.		1.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Max.		1.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.		0.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.		0.5mm ²	Copper
Stripping length	MIII.	Ζ	0.511111-	Coppei
		Length (mm)		
		6		
Recommended screw driver				
Type of screw driver		Value		
Cross Screwdriver		PH1		
Slot screwdriver according to DIN 5264		0,6x3,5		
Tightening torque of screws				
	tighte	ning torque (Nm)		tightening torque (lb-in)
		0,60		5
Power loss per pole				
				Power (W)
				0,40
Degree of protection				
IP - Code switch terminal				
IP20				
Conditions during transport and storing				
Minimum ten	nperature (°C)	Maximum temperatur		
	-40		85 In case of temperature	s below -5°C no shock load permissible
General Information				
Text				
- Do not lubricate or treat contacts.				
- Switches may only be mounted, connected and set	into operation by qualified per	sons according to the accepted rules of tech	inology.	
- Use copper wire only. Do not coat the wire end with	ı tin.			
13 21				
k' 4				
14 22				