

Datasheet

Article number: 70033788 Designation: KG32B.T106/D-A040.KL11V Description: Switchgear

	660 Tail 107						
IEC 60947-3 EN 60947-3, VDE 0 Rated insulation voltage Ui	660 Tell 107						
		V	/oltage (V) AC / D0 690 AC	2			
Rated impulse withstand voltage Uimp			090 AC				
Voltage (kV) Overvoltage category	Pollution de	aree Sun	ply system				Function
	i onation at	gree oup	piy byotem				Switch / Switch
6 III	3	Valie	d for lines with gro	unded common n	eutral terminati	on	disconnector
Rated uninterrupted current lu/lth							
	mperature (°C)	Peak temperature	e (°C) additional re				
32	50		55 Ambient terr	perature +50°C d	luring 24 hours	with peaks up to +55°C	
Conventional enclosed thermal current Ithe						16	
Current (A) Ambient temperature (°C)	Peak temperature (°C)	Additional requiremen	ts		No. of stag	es (from - to) Mounting	Mounting size
ourient (A) Ambient temperature (0)	,	Ambient temperature		ours with neaks		to) Wounting	Wounting size
32 35	40	up to +40°C	155 C during 24 no	Juis with peaks			
Rated operational current le							
Utilization category				Vol	ltage (V)		Current (A)
AC-32A					20 - 400		32
AC-20A					690		32
AC-21A					20 - 690		32
AC-22A					20 - 500		32
AC-22A				6	60 - 690		32
Rated operational power		N 1 10					
Utilization category		Voltage (V)	No	o. of phases		No. of poles	Power (kW)
AC-3		220 - 240		3		3	5,50
AC-3		380 - 440		3		3	7,50
AC-3		500 - 500 660 - 690		3		3	7,50
AC-3 AC-3		220 - 240		3		3	7,50 3
AC-3		380 - 440		1		2	5,50
AC-3 AC-23A		220 - 240		3		3	5,50
AC-23A AC-23A		380 - 440		3		3	5,50
AC-23A AC-23A		500 - 500		3		3	11
AC-23A AC-23A		660 - 690		3		3	11
AC-23A		220 - 240		1		2	4,20
AC-23A		380 - 440		1		2	7,50
Max Fuse Rating IEC		300 440				۲	7,50
Fuse characteristic					No. of F	uses	Current (A)
qG						1	35
Rated conditional short-circuit current							
Curren	t (kA)		Text		cut-off curre	ent Ic (kA)	Durchlassenergie I²t (kA²s)
	15		-			3,50	5,62
Rated breaking capacity							
	Voltage (V)			Cu	rrent (A) Utiliza	tion category / UL (DOL)	
	220 - 240				220		
	380 - 440				220		
	660 - 690				135 -		
Rated short-circuit making capacity Icm							
							Current (A)
							1000
UL60947-4-1 , UL508							
Nominal Voltage							
		V	/oltage (V) AC / D				
			600 AC				
Rated insulation voltage Ui							
		l l	/oltage (V) AC / DO	2			
			600 AC				
Rated thermal current	6			A	(0)	and Taut	
	Current (A)			Ambient tempera		unai Text	
Horoopower reting	30				0 - 40		
Horsepower rating Across-the-Line Motor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL			110 - 120	No. of phases	NO. OI poles	1,50	40 Ambient temperature
DOL			200 - 208	1	2	3	40
			200-200	-	2	5	40



	ng							
Across-the-Line N				Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C
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 - 600 110 - 120	1	2	7,50 3	40
DOL				200 - 240	3	3	10	40
DOL				415 - 415	3	3	10	40
DOL				440 - 480	3	3	20	40
DOL				550 - 600	3	3	25	40
Pilot duty rating	code							
Duty Code								
A600 SCCR / Max. fuse	o rating							
Conditions of acc								
		its capable of deliverir	ng not more than 10kA rms	symmetrical amper	es. 600V ac max.	when protected	by Type RK1 fuses.	
			nan 65000 rms symmetrical					
Temp. rating of v	wire							
		Temperature rating			Cu	ırrent (A) Text		
Connecting instr	mustions	6	0 - 75					
Connecting instru Markings								
	surface of a type 1 en	closure.						
			ed with these industrial swi	itches should be pro	ovided from the m	nanufacturer.		
General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of pole	s			No. of contacts in series
AC	277	30	. 1		1			-
AC	600	30	1		2			1
AC	600	30	3		3			1
Suitable as Moto	or disconnect							
Yes/No					R-DISCONNECT-U	IL/CSA Text		
Y General Informat	tion							
Text	luon							
	for use as switch use	d in Dhotovoltoio onnli	actions the devices shall be	provided with a ma	thad of baing los	kad in the OFF n	oition	
			cations the devices shall be	•	-			
				tor controllare chou			iror or the operating hai	ndle and position indicating means
		dicating means to be u			ia be provided inc		arei, or the operating has	nale and position indicating means
to be used shou	uld have been previous	sly evaluated in combi	nation with the manual mot	or controllers.			arei, or the operating ha	nale and position malouting means
to be used shou - When intended f	uld have been previous	sly evaluated in combi		or controllers.			iner, of the operating ha	
to be used shou - When intended t	uld have been previous for use as a motor dis	sly evaluated in combi	nation with the manual mot	or controllers.			iner, or the operating ha	
to be used shou - When intended f	uld have been previous for use as a motor dis	sly evaluated in combi	nation with the manual mot	or controllers. thod of being locke	d in the OFF-posit			
to be used shou - When intended t	uld have been previous for use as a motor dis	sly evaluated in combi	nation with the manual mot	or controllers. thod of being locke Voltage (V) AC / D	d in the OFF-posit			
to be used shou - When intended f CSA Nominal Voltage	uld have been previous for use as a motor dis	sly evaluated in combi	nation with the manual mot	or controllers. thod of being locke	d in the OFF-posit			
to be used shou - When intended t	uld have been previous for use as a motor dis	sly evaluated in combi	nation with the manual mot	or controllers. thod of being locke Voltage (V) AC / D 600 AC	d in the OFF-posit			
to be used shou - When intended f CSA Nominal Voltage	uld have been previous for use as a motor dis	sly evaluated in combi	nation with the manual mot	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D	d in the OFF-posit			
to be used shou - When intended f CSA Nominal Voltage Rated insulation	uld have been previous for use as a motor dis a voltage Ui	sly evaluated in combi	nation with the manual mot	or controllers. thod of being locke Voltage (V) AC / D 600 AC	d in the OFF-posit			
to be used shou - When intended f CSA Nominal Voltage	uld have been previous for use as a motor dis a voltage Ui	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	d in the OFF-posit	tion.		
to be used shou - When intended f CSA Nominal Voltage Rated insulation	uld have been previous for use as a motor dis a voltage Ui	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	d in the OFF-posit			
to be used shou - When intended f CSA Nominal Voltage Rated insulation	uld have been previous for use as a motor dis a voltage Ui urrent	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	d in the OFF-posit	tion.		
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	d in the OFF-posit	tion.		
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratir	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	vortage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	d in the OFF-posit	tion. ture (°C) Additio 0 - 40 No. of poles 2	nal Text	Ambient temperature [°C
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	d in the OFF-posit	tion. hture (°C) Addition 0 - 40 No. of poles	nal Text Power (HP)	Ambient temperature [*C
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 110 - 120 220 - 240 277 - 277	d in the OFF-posit C C Ambient tempera No. of phases 1 1	tion. ture (°C) Additio. 0 - 40 - No. of poles 2 2 2 2	nal Text Power (HP) 1,50 5 5	Ambient temperature [°C 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 200 AC 207 - 277 415 - 415	d in the OFF-posit C C Ambient tempera No. of phases 1 1 1	tion. ture (°C) Additio. 0 - 40 - No. of poles 2 2 2 2 2 2	nal Text Power (HP) 1,50 5 5 5 5	Ambient temperature [°C 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratir Across-the-Line M DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC 200 AC 200 AC 200 AC 200 AC 201 AC 20	d in the OFF-posit	tion. ture (°C) Additio. 0 - 40 - No. of poles 2 2 2 2 2 2 2 2 2 2 2 2 2	nal Text Power (HP) 1,50 5 5 5, 7,50	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke 600 AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC 200 AC 220 - 240 227 - 277 415 - 415 440 - 480 550 - 600	d in the OFF-posit	tion. ture (°C) Additio. 0 - 40 - No. of poles 2 2 2 2 2 2 2 2 2 2 2 2 2	nal Text Power (HP) 1,50 5 5 7,50 7,50 7,50	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke 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	d in the OFF-posit	tion. ture (°C) Addition 0 - 40 - No. of poles 2 2 2 2 2 2 3	nal Text Power (HP) 1,50 5 5 5 7,50 7,50 3	Ambient temperature [°C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC	d in the OFF-posit	tion. ture (°C) Additio. 0 - 40 - No. of poles 2 2 2 2 2 2 3 3	nal Text Power (HP) 1,50 5 5 5 5 7,50 7,50 7,50 3 10	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke 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 - 240 415 - 415	d in the OFF-posit	tion. ture (°C) Additio. 0 - 40 - No. of poles 2 2 2 2 2 2 2 3 3 3 3	nal Text Power (HP) 1,50 5 5 5 7,50 7,50 7,50 3 10 10 10	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e i voltage Ui urrent ng	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC	d in the OFF-posit	tion. ture (°C) Additio. 0-40 No. of poles 2 2 2 2 2 2 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent Motor Starting	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke 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 - 240 415 - 415	d in the OFF-posit	tion. ture (°C) Additio. 0 - 40 - No. of poles 2 2 2 2 2 2 2 3 3 3 3	nal Text Power (HP) 1,50 5 5 5 7,50 7,50 7,50 3 10 10 10	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent Motor Starting	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC	d in the OFF-posit	tion. ture (°C) Additio. 0-40 No. of poles 2 2 2 2 2 2 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratir Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent Motor Starting	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC	d in the OFF-posit	tion. ture (°C) Additio. 0-40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code	sly evaluated in combi	nation with the manual mot shall be provided with a me	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC	d in the OFF-posit	tion. ture (°C) Additio. 0-40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratir Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code	sly evaluated in combi	nation with the manual mot shall be provided with a me nt (A) 30	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC	d in the OFF-posit	tion. ture (°C) Additio. 0-40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code	sly evaluated in combi sconnector the device	nation with the manual mot shall be provided with a me nt (A) 30	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 AC	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3	nal Text 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
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code wire	Sly evaluated in combi sconnector the device Current Current Temperature rating	nation with the manual mot shall be provided with a me nt (A) 30 9 (°C) 75	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 240 200 240 207 247 217 277 415 415 440 - 480 550 - 600 110 - 120 220 550 - 600 110 - 120 220 550 - 600	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3	nal Text 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
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent ng Motor Starting code wire Voltage (V)	Sly evaluated in combi connector the device Current Current Temperature rating Current (A)	nation with the manual mot shall be provided with a me nt (A) 30 9 (°C) 75 No. of phases	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120 220 - 240 2277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 2550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 220 - 240 550 - 600 110 - 120 200 - 200 100 - 100 100 -	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3	nal Text 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
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code wire Voltage (V) 277	Sly evaluated in combi sconnector the device Current Temperature rating Current (A) 30	nation with the manual mot shall be provided with a me nt (A) 30 9 (*C) 75 No. of phases 1	or controllers. thod of being locke 600 AC / D 600 AC /	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent Motor Starting code wire Voltage (V) 277 600	Sly evaluated in combi sconnector the device Current Current Current (A) 30 30	ation with the manual mot shall be provided with a me (A) 30 9 (*C) 75 No. of phases 1 1	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200	d in the OFF-posit C C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratir Across-the-Line M DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code wire Voltage (V) 277 600 600	Sly evaluated in combi sconnector the device Current Temperature rating Current (A) 30	nation with the manual mot shall be provided with a me nt (A) 30 9 (*C) 75 No. of phases 1	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code wire Voltage (V) 277 600 600	Sly evaluated in combi sconnector the device Current Current Current (A) 30 30	ation with the manual mot shall be provided with a me (A) 30 9 (*C) 75 No. of phases 1 1	or controllers. thod of being locke Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC 200 240 227 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 240 2550 - 600 110 - 120 220 550 - 600 110 - 120 200 240 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200	d in the OFF-posit	tion. ture (°C) Additio. 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [°C 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code wire Voltage (V) 277 600 600	Sly evaluated in combi sconnector the device Current Current Current (A) 30 30	ation with the manual mot shall be provided with a me (A) 30 9 (*C) 75 No. of phases 1 1	or controllers. thod of being locke 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 - 240 415 - 415 440 - 480 550 - 600 No. of pole	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 1 Irrent (A) Text IL/CSA Text	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis a voltage Ui urrent mg Motor Starting code wire Voltage (V) 277 600 600 or disconnect	Sly evaluated in combi sconnector the device Current Current Current (A) 30 30	ation with the manual mot shall be provided with a me (A) 30 9 (*C) 75 No. of phases 1 1	or controllers. thod of being locke 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 - 240 415 - 415 440 - 480 550 - 600 No. of pole	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 1 Irrent (A) Text IL/CSA Text	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e voltage Ui urrent Motor Starting code wire Voltage (V) 277 600 600 or disconnect	Sly evaluated in combi sconnector the device Current Current Current (A) 30 30	ation with the manual mot shall be provided with a me (A) 30 9 (*C) 75 No. of phases 1 1	or controllers. thod of being locke 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 - 240 415 - 415 440 - 480 550 - 600 No. of pole	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 1 Irrent (A) Text IL/CSA Text	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 44 44 44 44 44 44 44 44 44 44 44 44 44
to be used shou - When intended f CSA Nominal Voltage Rated insulation Rated thermal cu Horsepower ratin Across-the-Line N DOL DOL DOL DOL DOL DOL DOL DOL	uld have been previous for use as a motor dis e voltage Ui urrent Motor Starting code wire Voltage (V) 277 600 600 or disconnect	Sly evaluated in combi sconnector the device Current Current Current (A) 30 30	nation with the manual mot shall be provided with a me nt (A) 30 9 (°C) 75 No. of phases 1 1 3	or controllers. thod of being locke 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 - 240 415 - 415 440 - 480 550 - 600 No. of pole	d in the OFF-posit	tion. ature (°C) Additio 0 - 40 No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 1 Irrent (A) Text IL/CSA Text	nal Text Power (HP) 1,50 5 5 7,50 7,50 3 10 10 20	Ambient temperature [*C 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4



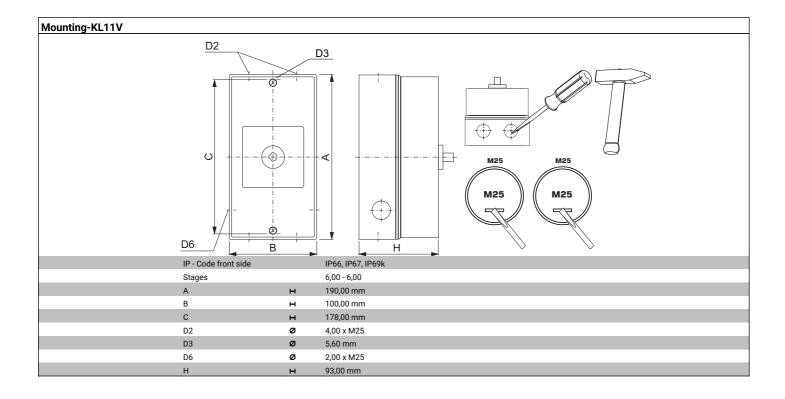
Switch Measures								
Picture name		В	F		Н	H1	H2	H3
					54	-		
GENERAL TECHNICA								
Minimal ratings (voltage/cur	rent)							
V	oltage (V)	Current	mA) Environmen	t conditior	ns Envir	onment conditions 2	Environment conditions 3	
			Ambient air	must be f	ree of particular			
			contaminati			se extraordinary contami	nation	
			sulfurous co	omponent		dust is expected an adeq	uate	
	24		500 etc.		dust	protection is required.		
Rated short-time withstand of	current Icw							
			Т	ïme (s)				Current (A)
				1				430
Size of conductor								
						Cross section (mm ²) or	· · · · · · · · · · · · · · · · · · ·	
composition of conductor		Min. / Max. value		No. d	of conductor per termina		Material of the wire	
flexible wire		Max.				I AWG 10	Copper	
flexible wire		Max.				1 4mm ²	Copper	
Single-core or stranded wire		Max.				1 6mm ²	Copper	
Single-core or stranded wire		Max.				1 AWG 10	Copper	
flexible wire with sleeve		Max.			·	1 4mm ²	Copper	
Stripping length								
			Lenati	h (mm)				
			20gu	()				
				9 _	►└╼			
Recommended screw driver								
Type of screw driver				V	alue			
<i>M</i>								
Cross Screwdriver					H2			
Slot screwdriver according to	DIN 5264			0	,8x4			
Tightening torque of screws								
			tightening torgu	e (Nm)			tightening t	orque (lb-in)
			0 0 1	1,25			0 0	11
Power loss per pole				1,20				
Power loss per pole								D (11)
								Power (W)
								1,10
Mechanical life								
No	of operating cycles	A	Ambient temperatu	ıre (°C)		Number of stages	Limitations	
	, ,,			()			Valid for manual operation. Valid for	switches
							without optional extras. The value ref	fers to the
							mechanics of the device, for lifetime	of the
							electrical contacts please refer to "ele	ectrical life
	200000			-5 - 55			values". One operating cycle means (J-1-0.
Electrical life (B10-Value)								
Utilization		onstant			nur	nber of series		
category	cos(φ)	(ms) Voltag	e (V) Curr	rent (A)	No. of operations	contacts AC/DC	No. of phases	No. of poles
	0,59		220	15	200000	1 AC	1	1
	0.64		220	20	200000	1 AC	1	1
AC-23		-	440	22	175000	1 AC	3	3
AC-23	-	-	690	13	200000	1 AC	3	3
AC-22			690	32	100000	1 AC	3	3
		50	60	2	60000	1 DC	1	1
		55	110	1,50	100000	1 DC	1	1
Degree of protection								
IP - Code switch terminal								
IP20								
Conditions during transport a								
	Minimum ter	nperature (°C)			Maximum temperatu	re (°C) additional require	ements	
		-40					ratures below -5°C no shock load per	missible
Shock / Vibration		·					por	
				14	alues			
Type of oscillation								
Resistance to vibration					1in. 4g, 2-100Hz, 1,6mm			
Resistance to shock				n	nin. 6g, 6ms			
General Information								
Text								
- EMC Note: This device is su	itabla far uga in anvira	amont A and P						
		intent A dru D.						
- Do not lubricate or treat con	tacts.							
- Switches may only be moun	ted, connected and se	t into operation by qual	fied persons acco	ording to t	he accepted rules of tec	hnology.		
- Use copper wire only. Do no			,	5.2.0	,			
,								
				installatio	on to ensure factory fitte	ed links are not lost by un	doing both sides of linked terminals.	After wiring,
all terminal screws must be	tightened to recomme	nded torque specificati	ons.					
- For devices with lockable ha	-			ed to avia	le proper operation			
- The "ON" and "OFF" position	i may be marked using	une symbols "I" and "O	according IEC60	417, Syml	JUIS 5007 and 5008.			
Creepage distance								
							Dis	stance (mm)
								12,70
Clearance								
							D:-	stanco (mm)
							Dis	stance (mm) 12,70

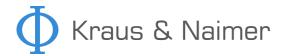


Operating temper	ature	
	Min. Temperature [°C]	Max. Temperature [°C]
	-5	55
Waste Electrical 8	k Electronic Equipment (WEEE)	
Picture name	Description	
X	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly wast 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	e disposal company; า
Proposition 65		
Picture name	Description	
\land	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 informa www.P65Warnings.ca.gov.	ation go to

Classification Contact: Rigid contact bridge Classification Contact Mat: Silver

Classification Terminal: Screw terminal





Wiring diagram KG32B.T306.KL11V

1L1 1L2 1L3 2L1 2L2 2L3

 $\left< \right>$ \langle 1T1 1T2 1T3 2T1 2T2 2T3

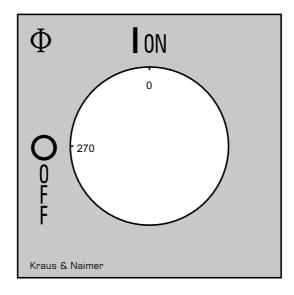


Switch program KG32B.T306.KL11V

Т и от										
Φ Kraus & I	KG3	KG32B T306				Page 1 of 1				
Face Plate										
	_	1L1 1	1L2 3	1L3 5	2L1 7	2L2 9	2L3 11	13	15	
		\langle	Ϋ́	\langle	Ϋ́	Ϋ́	$\sum_{i=1}^{n}$			
Switching Angle 90	_	2	4	6	8	10	12	14	16	
Total switching Angle 90 0	270	1T1	1T2	1T3	2T1	2T2	2T3			
1	0									
	90									
	180									
		Ī								
									ion: 117	



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 6	50947-3. VDE	0660 Tei	107									
Nominal Voltage												
					Volta	age (V) AC / DC						
						500 AC						
Data da si sta marta da s						690 AC						
Rated uninterrupted cu		tommerceture	(*0)	Dealsta	an a ratura (°C) additional requirement	•					
Current (A) 10	Ambien	t temperature	55	Peak tei	nperature (°C			uring 24 hours wi	th pooks up to 4	60%0		
10			55			 Ambient temperature + Ambient temperature + 						
Conventional enclosed	thermal current	Ithe	55		0		-55 C u	uning 24 nours wi	in peaks up to +	00 0		
Conventional enclosed	thermal current							No. of stages	(from -			
Current (A) Ambient te	emperature (°C)	Peak temp	erature (°C)	Additional re	quirements			···· g	to) Mountii	ng	Mounting siz	е
10	05		40	Ambient ten	perature +35	°C during 24 hours with p	beaks					
10	35		40	up to +40°C								
16	35		40	up to +40°C	iperature +35	°C during 24 hours with p	eaks					
Rated operational curre												
Utilization category							Vol	tage (V)				Current (A)
AC-15								10 - 240				2,50
AC-15							38	30 - 440				1,50
AC-15								500				1
AC-21A								500				10
Max Fuse Rating IEC												
Fuse characteristic								No. of Fus	es			Current (A)
gG									1			10
UL60947-4-1, UL	_508											
Nominal Voltage												
					Volta	age (V) AC / DC						
						600 AC						
Rated insulation voltag	e Ui											
					Volta	age (V) AC / DC						
						600 AC						
Rated thermal current												
			Current (A)			Ambient te	emperat	ure (°C) Addition	al Text			
			10	-				0 - 40				
Pilot duty rating code												
Duty Code												
A600												
General Use	N/ 10 (10)	0 (1)										
	Voltage (V) 600	Current (A) 10		No. of phas	es 1	No. of poles 1					No. of contac	ts in series 1
AC					1	I						- 1
GENERAL TECHN		MATION										
Minimal ratings (voltag												
	Voltage (V)			Current (mA)				ronment conditior	ns 2	Environment	conditions 3	
						must be free of particular on with sulfur and/or		ase extraordinary	contamination			
					sulfurous co	imponents such as H2S	with	dust is expected	an adequate			
	20			5	etc.		dust	protection is req	uired.			
Size of conductor												
composition of conduct	tor		Min. / Max.	valuo		No. of conductor per	tormin	Cross section al (AWG/kcmil)	(mm²) or	Matorial	of the wire	
solid wire	.07		Min. / Max.	value		No. of conductor per		1 0.5mm ²		Copper	or the whe	
solid wire			Min.					2 0.5mm ²		Copper		
flexible wire			Min.					1 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		
										Copper		



Size of conductor				
			Cross section (mm²) or	
composition of conductor	Min. / Max. value	No. of conductor per terminal	(AWG/kcmil)	Material of the wire
Single-core or stranded wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	1.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Max.	2	1mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm ²	Copper
Stripping length				
		Length (mm)		
		6 _ L		
Recommended screw driver				
Type of screw driver		Value		
Cross Screwdriver		PH1		
Slot screwdriver according to DIN 5264		0,6x3,5		
Tightening torque of screws				
	tigh	ening 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 terr	, , ,	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 p	ersons according to the accepted rules of tech	nology.	
- Use copper wire only. Do not coat the wire end with	tin.			
13 21				
k' 4				
14 22				