

Datasheet

Article number: 70011049

Designation: KG20B.T206/D-A059.KL11V

Description: Switchgear

IEC 60947-3 EN 60947-3, VDE	0660 Teil 107						
Rated insulation voltage Ui			Voltage (V) AC / DO)			
			690 AC				
Rated impulse withstand voltage Uimp							
Voltage (kV) Overvoltage categor	y Pollution a	egree	Supply system				Function
6 III	3		Valid for lines with grou	ınded common n	eutral terminatio	n	Switch / Switch disconnector
Rated uninterrupted current lu/lth	<u>_</u>		valia for lines with grot	anded common n	catrar terrimatio		diodofficotor
	temperature (°C)	Peak temper	ature (°C) additional red	quirements			
25	50		55 Ambient tem	perature +50°C d	uring 24 hours w	ith peaks up to +55°C	
Conventional enclosed thermal current It	he						
Current (A) Ambient temperature (°C)	Peak temperature (°C)	,	ements ature +35°C during 24 ho	oure with peaks	No. of stages	s (from - to) Mounting	Mounting size
25 35	40	up to +40°C	iture 100 0 during 24 no	ours with peaks			
Rated operational current le							
Utilization category				Vol	tage (V)		Current (A)
AC-32A					20 - 400		20
AC-20A					690		25
AC-21A					20 - 690		25
AC-22A					20 - 500		20
AC-22A		-		6	60 - 690		20
Rated operational power		1/-4				N	2 (111)
Utilization category		Voltage (V)	No	o. of phases		No. of poles	Power (kW)
AC-3		220 - 240		3		3	4
AC-3		380 - 440		3		3	5,50
AC-3		500 - 500		3		3	5,50
AC-3		660 - 690		3		3	5,50
AC-3		220 - 240		1		2	2,20
AC-3		380 - 440		1		2	3,70
AC-23A		220 - 240		3		3	5,50
AC-23A		380 - 440		3		3	7,50
AC-23A		500 - 500		3		3	7,50
AC-23A		660 - 690		3		3	7,50
AC-23A		220 - 240		1		2	3
AC-23A		380 - 440		11		2	5
Max Fuse Rating IEC					N		0
Fuse characteristic					No. of Fu		Current (A)
gG						1	35
Rated conditional short-circuit current	ent (kA)		Text		cut-off curren	+ lo (kA)	Durchlassenergie I²t (kA²s)
Curre	15		rext 		cut-on curren	3,50	- · · · ·
Rated breaking capacity	10		-			3,30	5,62
Rated breaking capacity	Voltage (V)			Cui	rrent (A)	on category / UL (DOL)	
	220 - 240			Cui	180	on outegory / OL (DOL)	
	380 - 440				180		
	660 - 690				125		
Rated short-circuit making capacity Icm	222 070						
Talou onot onour making supuony form							Current (A) 1000
UL60947-4-1 , UL508							1000
Nominal Voltage							
			Voltage (V) AC / DO 600 AC)			
Rated insulation voltage Ui							
			Voltage (V) AC / DO				
B . 111			600 AC				
Rated thermal current					(00)	17.	
	Current (A)			Ambient temperat		nai i ext	
Haraan ayyar rabin r	25				0 - 40		
Horsepower rating			1/eltana (1/)	No of these	No of roles	Power (HP)	Ambient temperature [00]
Across-the-Line Motor Starting			Voltage (V) 110 - 120	No. of phases	No. of poles	, ,	Ambient temperature [°C]
DOL DOL			220 - 240	1	2 2	1 3	40 40
DOL			220 - 240		2	3	40



Horsepower rating Across-the-Line Motor Starting							
ACIOSS-UIE-LINE MOTOL STAITING			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C
DOL			277 - 277	1 1	2	3	Ambient temperature [6
DOL			415 - 415	1	2	5	4
DOL			440 - 480	1	2	5	41
DOL			550 - 600	1	2	5	4
DOL			110 - 120	3	3	2	41
DOL			200 - 240	3	3	7,50	4
DOL			415 - 415	3	3	10	4
DOL DOL			440 - 480	3	3	15	4
Pilot duty rating code			550 - 600	3	3	20	4
Duty Code							
A600							
SCCR / Max. fuse rating							
Conditions of acceptability							
This device is suitable for use on circ	cuits capable of deliver	ing not more than 10kA rms	symmetrical amper	es, 600V ac max.	when protected	by Type RK1 fuses.	
Suitable for use on a circuit capable	of delivering not more	than 65000 rms symmetrica	al amperes at 600V r	nax., when protec	ted by 40A Class	J fuses.	
Temp. rating of wire							
	Temperature rati			Cu	rrent (A) Text		
		60 - 75					
Connecting instructions							
Markings For use on a flat surface of a type 1 e	enclosure						
The operating handle and position in		used with these industrial sw	ritches should be pro	ovided from the m	nanufacturer		
General Use			siloulu be pit				
AC / DC Voltage (V)	Current (A)	No. of phases	No. of pole	S			No. of contacts in serie
AC 277	25	1		1			
AC 600	25	1		2			
AC 600	25	3		3			
Suitable as Motor disconnect							
Yes/No				R-DISCONNECT-U	L/CSA Text		
Y							
General Information Text							
- When intended for use as switch us	ad in Dhatavaltaia ann	lications the devices shall b	a provided with a ma	thad of baing las	kad in the OFF n	onition	
 The operating handle and position i to be used should have been previo 	•						
to be used should have been previo - When intended for use as a motor d	•			d in the OFF-posit	ion.		
to be used should have been previo	•		ethod of being locke	,	ion.		
to be used should have been previo - When intended for use as a motor of CSA	•		ethod of being locke Voltage (V) AC / D	,	ion.		
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage	•		ethod of being locke	,	ion.		
to be used should have been previo - When intended for use as a motor of CSA	•		ethod of being locke Voltage (V) AC / D 600 AC	С	ion.		
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage	•		Voltage (V) AC / D 600 AC Voltage (V) AC / D	С	ion.		
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage	•		ethod of being locke Voltage (V) AC / D 600 AC	С	ion.		
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui	lisconnector the device		Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	С		onal Text	
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui	lisconnector the device	e shall be provided with a m	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	С		onal Text	
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating	lisconnector the device	e shall be provided with a mo	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC	C Ambient tempera	ture (°C) Additic 0 - 40		
to be used should have been previo -When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting	lisconnector the device	e shall be provided with a mo	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D Voltage (V) Voltage (V)	C Ambient tempera	ture (°C) Additio 0 - 40 No. of poles	Power (HP)	•
to be used should have been previo -When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a mo	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) 110 - 120	C Ambient tempera No. of phases	ture (°C) Additio 0 - 40 No. of poles 2	Power (HP)	4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL	lisconnector the device	e shall be provided with a mo	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 110 - 120 220 - 240	C Ambient tempera No. of phases 1	ture (°C) Addition 0 - 40 No. of poles 2 2	Power (HP) 1 3	4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL DOL	lisconnector the device	e shall be provided with a mo	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 100 AC Voltage (V) AC / D 200 AC Voltage (V) AC / D 200 AC	C Ambient tempera No. of phases	ture (°C) Addition 0 - 40	Power (HP) 1 3 3	41 41 41
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 2	Power (HP) 1 3 3 5	4) 4) 4) 4)
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to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1 1	ture (°C) Addition 0-40	Power (HP) 1 3 3 5 5	4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1 1	ture (°C) Addition 0 - 40	Power (HP) 1 3 5 5 5	4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1 1 1 3 3 3 3	ture (°C) Addition 0 - 40 - No. of poles 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10	4) 4) 4) 4) 4) 4) 4) 4)
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to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1 1 1 3 3 3 3	ture (°C) Addition 0 - 40 - No. of poles 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10	4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3	ture (°C) Additional of the control	Power (HP) 1 3 3 5 5 2 7,50 10 15	4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3	ture (°C) Additional of the control	Power (HP) 1 3 3 5 5 2 7,50 10 15	4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a mo	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3	ture (°C) Additional of the control	Power (HP) 1 3 3 5 5 2 7,50 10 15	4 4 4 4 4 4 4 4
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to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a me	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3 3	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a me	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3 3	ture (°C) Addition 0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	Curr Temperature rati	e shall be provided with a me	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 Cu	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	4 4 4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	lisconnector the device	e shall be provided with a me	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 Cu	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	4 4 4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	Current (A)	e shall be provided with a me ent (A) 25 ng (*C) 75 No. of phases	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 Cu	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	No. of contacts in serie
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	Current (A) 25	e shall be provided with a me ent (A) 25 No. of phases 1	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	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 Cu	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	No. of contacts in serie
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	Temperature rati Current (A) 25 25	e shall be provided with a me ent (A) 25 No. of phases 1 1	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	C C Ambient tempera No. of phases 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ture (*C) Addition 0 - 40 - No. of poles 2	Power (HP) 1 3 3 5 5 2 7,50 10 15	A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating DOL	Temperature rati Current (A) 25 25	e shall be provided with a me ent (A) 25 No. of phases 1 1	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3 1 Cu S R-DISCONNECT-U	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating DOL	Temperature rati Current (A) 25 25	e shall be provided with a me ent (A) 25 No. of phases 1 1	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	C C Ambient tempera No. of phases 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	A 4 4 4 4 4 4 4 4 4 4 4 No. of contacts in serie
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	Temperature rati Current (A) 25 25	e shall be provided with a me ent (A) 25 No. of phases 1 1	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	C Ambient tempera No. of phases 1 1 1 1 3 3 3 3 3 1 Cu S R-DISCONNECT-U	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	Ambient temperature [°C 44444444444444444444444444444444444
to be used should have been previo - When intended for use as a motor of CSA Nominal Voltage Rated insulation voltage Ui Rated thermal current Horsepower rating Across-the-Line Motor Starting DOL	Temperature rati Current (A) 25 25	e shall be provided with a me ent (A) 25 No. of phases 1 1 3	Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 600 AC Voltage (V) AC / D 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	C Ambient tempera No. of phases 1 1 1 3 3 3 3 Cu s 1 2 3 R-DISCONNECT-U BLE FOR MOTOR	ture (°C) Addition 0 - 40 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 2 7,50 10 15	40 41 41 41 41 41 41 41 41 41 41 41 41

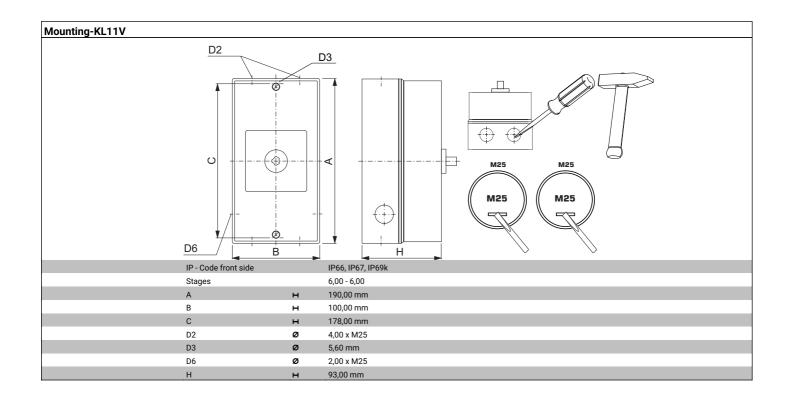


Switch Measures Picture name									
		В		F	Н	H	11	H2	Н
	Н								
		-		-	54				
GENERAL TECHNIC	CAL INFORMATI	ION							
Minimal ratings (voltage/									
	Voltage (V)		, ,	vironment condition		Environment conditi	ons 2	Environment conditions	:3
			An co	nbient air must be ntamination with	free of particular sulfur and/or	In case extraordinar	v contamination	on	
	0.4		su	Ifurous componer		with dust is expecte	d an adequate	!	
Rated short-time withstan	24		500 etc	0.		dust protection is re	quirea.		
Rateu Short-time Withstal	iu current icw			Time (s)					Current (A
				1					35
Size of conductor									
aamaaaitian af aandustas		Min / May		No	af aand	Cross sectio		Material of the wire	
composition of conductor flexible wire		Min. / Max. Max.	value	NO.	. of conductor per te	erminal (AWG/kcmil) 1 AWG 10		Copper	
flexible wire		Max.				1 4mm²		Copper	
Single-core or stranded wi	ire	Max.				1 6mm²		Copper	
Single-core or stranded wi		Max.				1 AWG 10		Copper	
flexible wire with sleeve		Max.				1 4mm²		Copper	
Stripping length									
				Length (mm)					
				9					
Recommended screw driv	ver								
Type of screw driver					Value				
Cross Screwdriver Slot screwdriver according	a to DIN 5264				PH2 0,8x4				
Tightening torque of scre					0,084				
rigiteiling torque or scre	ws		tiahter	ning torque (Nm)				tiahtenii	ng torque (lb-ir
			tigittoi	1,25				i.g//to////	1
Power loss per pole									
Mechanical life									0,7
	No. of operating cycle	es	Ambient	temperature (°C)		Number	of stages Lim		
							with med elec	d for manual operation. Valid nout optional extras. The value chanics of the device, for lifeti strical contacts please refer to	e refers to the me of the electrical life
Electrical life (B10-Value)	20000	J0		-5 - 55			valu	ies". One operating cycle mea	ns 0-1-0.
Utilization		me constant				number of series			
category	cos(φ)	(ms)	Voltage (V)	Current (A)	No. of operations	contacts	AC/DC	No. of phases	No. of pole
	0,59	-	220	10	200000	1	AC	1	
-	0,64	-	220	20	200000		AC	1	
-	0,65	-	380	5	200000		AC	1	
-	0,64	-	380	10 15	200000	1	AC	1	
-	0,64		380			-	AL:		
	·				200000	1		1	
 AC-23	0,65	-	380	20	175000	1	AC	1	
 AC-23 	·		380 440		175000 100000	1 1	AC AC	1 3 1	
 AC-23 	0,65	50	380 440 24	20	175000 100000 200000	1 1 1	AC AC DC	1	
 AC-23 	0,65		380 440	20 15,50 1	175000 100000	1 1 1 1	AC AC	1 3 1	
 AC-23 	0,65	50 50	380 440 24 48	20 15,50 1 1	175000 100000 200000 200000	1 1 1 1 1	AC AC DC DC	1 3 1	
 Degree of protection	0,65	50 50 55	380 440 24 48 110	20 15,50 1 1 1	175000 100000 200000 200000 200000	1 1 1 1 1	AC AC DC DC	1 3 1 1 1	
 Degree of protection IP - Code switch terminal	0,65	50 50 55	380 440 24 48 110	20 15,50 1 1 1	175000 100000 200000 200000 200000	1 1 1 1 1	AC AC DC DC	1 3 1 1 1	
 Degree of protection IP - Code switch terminal IP20	0,65 	50 50 55	380 440 24 48 110	20 15,50 1 1 1	175000 100000 200000 200000 200000	1 1 1 1 1	AC AC DC DC	1 3 1 1 1	
 Degree of protection IP - Code switch terminal IP20	0,65 - - - - - - ort and storing	50 50 55 55	380 440 24 48 110	20 15,50 1 1 1	175000 100000 200000 200000 200000 100000	1 1 1 1 1 1 1	AC AC DC DC DC DC	1 3 1 1 1 1	
 Degree of protection IP - Code switch terminal IP20	0,65 - - - - - - ort and storing	50 50 55 55 55	380 440 24 48 110	20 15,50 1 1 1	175000 100000 200000 200000 200000 100000	1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
 Degree of protection IP - Code switch terminal IP20 Conditions during transpo	0,65 - - - - - - ort and storing	50 50 55 55	380 440 24 48 110	20 15,50 1 1 1	175000 100000 200000 200000 200000 100000	1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
	0,65 - - - - - - ort and storing	50 50 55 55 55	380 440 24 48 110	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem	1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
	0,65 - - - - - - ort and storing	50 50 55 55 55	380 440 24 48 110	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
Degree of protection IP - Code switch terminal P20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration	0,65 - - - - - - ort and storing	50 50 55 55 55	380 440 24 48 110	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock	0,65 - - - - - - ort and storing	50 50 55 55 55	380 440 24 48 110	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock General Information	0,65 - - - - - - ort and storing	50 50 55 55 55	380 440 24 48 110	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
	0,65 - - - - - ort and storing <i>Minimui</i>	50 50 55 55 55	380 440 24 48 110 220	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock General Information Text	ort and storing Minimul	50 50 55 55 55	380 440 24 48 110 220	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock General Information Text - EMC Note: This device is	ort and storing Minimul s suitable for use in er contacts.	50 50 55 55 55	380 440 24 48 110 220	20 15,50 1 1 1 0,50	175000 100000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1 min. 6g, 6ms	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock General Information Text - EMC Note: This device is - Do not lubricate or treat of	ort and storing Minimul s suitable for use in er contacts. ounted, connected an	50 50 55 55 55 m temperature (*C) -40 nvironment A and B	380 440 24 48 110 220	20 15,50 1 1 1 0,50	175000 100000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1 min. 6g, 6ms	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC AC DC DC DC DC DC DC	1 3 1 1 1 1	
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock General Information Text - EMC Note: This device is - Do not lubricate or treat of the switches may only be modeled.	ort and storing Minimul s suitable for use in er contacts. ounted, connected and onot coat the wire endo	50 50 55 55 55 m temperature (*C) -40 nvironment A and B and set into operation d with tin.	380 440 24 48 110 220	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1 min. 6g, 6ms	of technology.	AC AC DC DC DC DC DC DC enal requirement of temperature	1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock General Information Text - EMC Note: This device is - Do not lubricate or treat of the switches may only be model.	ort and storing Minimul s suitable for use in er contacts. ounted, connected an onot coat the wire end itted jumper links are litted jumper links ar	50 50 55 55 mr temperature (*C) -40 nvironment A and B nd set into operatior d with tin. tightened during pr	380 440 24 48 110 220	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1 min. 6g, 6ms	of technology.	AC AC DC DC DC DC DC DC enal requirement of temperature	1 3 1 1 1 1	permissible
Degree of protection IP - Code switch terminal IP20 Conditions during transpo Shock / Vibration Type of oscillation Resistance to vibration Resistance to shock General Information Text - EMC Note: This device is - Do not lubricate or treat of - Switches may only be mo - Use copper wire only. Do - Terminals with factory fit	ort and storing ort and storing Minimus s suitable for use in er contacts. ounted, connected an onot coat the wire end itted jumper links are it be tightened to recor	50 50 55 55 55 mr temperature (*C) -40 nvironment A and B and set into operation d with tin. tightened during pr mmended torque sp	380 440 24 48 110 220 h by qualified personal duction. Take capecifications.	20 15,50 1 1 1 0,50	175000 100000 200000 200000 200000 100000 Maximum tem Values Min. 4g, 2-100Hz, 1 min. 6g, 6ms the accepted rules tion to ensure factor	nperature (*C) addition 85 In case 6,6mm	AC AC DC DC DC DC DC DC enal requirement of temperature	1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	permissible



Creepage distance	ne e	
		Distance (mm)
		12,70
Clearance		
		Distance (mm)
		12,70
Operating tempe	rature	
	Min. Temperature [°C]	Max. Temperature [°C]
	-5	55
Waste Electrical	& Electronic Equipment (WEEE)	
Picture name	Description	
Z	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally frier return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausna	ndly waste disposal company; imer.com
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 www.P65Warnings.ca.gov.	e information go to

Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal





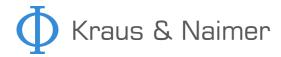
Wiring diagram KG20B.T306.KL11V

1L1 1L2 1L3 2L1 2L2 2L3 1T1 1T2 1T3 2T1 2T2 2T3

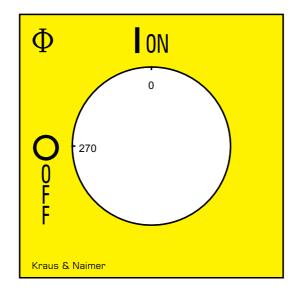


Switch program KG20B.T306.KL11V

$\mathbf{A}_{\mathbf{A}}$	0 1								
Ψ Kraus	s & Na	ımer	KG2	0B	T306			Page	1 of 1
Face Pla	te								
1		1L1 1	1L2 3	1L3 5	2L1 7	2L2 9	2L3 11	13	15
			-	_					
0 - 270	90 —	,1	, 1	, Ι	, Ι	, Ι	Ţ		
180					\				
			J	ı			ı		
Switching Angle	90	2	4	6	8	10	12	14	16
Total switching Angle	90	1T1	1T2	1T3	2T1	2T2	2T3		
0	270								
1	0								
	90								
	180								
								Vers	ion: 117



Face plate S1.F656/E10.V9





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

Nominal Voltage		0660 Teil 107						
tommar voltage				Voltage (V) AC / DC				
				500 AC				
				690 AC				
ated uninterrupted c	urrent lu/lth							
Current (A)	Ambien	t temperature (°C)	Peak ten	nperature (°C) additional requireme	ents			
10		55				luring 24 hours with peaks up to		
16		55		60 Ambient temperatur	re +55°C d	luring 24 hours with peaks up to -	+60°C	
Conventional enclose	thermal current	Ithe	_					
Current (A) Ambient	temperature (°C)	Peak temperature (C) Additional re	quirements		No. of stages (from - to) Mounti	ina Mou	nting size
, , , , , , , , , , , , , , , , , , , ,		(,	perature +35°C during 24 hours wit	h peaks	,		g
10	35		40 up to +40°C		·		-	
16	0.5			perature +35°C during 24 hours wit	h peaks			
16 ated operational cur	35		40 up to +40°C					
tilization category	ent le				1/0/	Itage (V)		Current (
C-15						10 - 240		2,
.C-15						80 - 440		1,
.C-15						500		.,
C-21A						500		
Max Fuse Rating IEC								
use characteristic						No. of Fuses		Current (
G						1		
JL60947-4-1 . U	1 502							
Nominal Voltage	L300							
tommur voltage				Voltage (V) AC / DC				
				600 AC				
Rated insulation volta	ge Ui							
	-			Voltage (V) AC / DC				
				600 AC				
Rated thermal current								
		Current ((A)	Ambien	t tempera	ture (°C) Additional Text		
			10			0 - 40		
Pilot duty rating code								
Outy Code								
1600								
General Use	Valtage (V)	Current (A)	No. of phase	es No. of poles			No.	of contacts in seri
AC	Voltage (V) 600	Current (A) 10	No. or priase	1 No. or poles			NO. C	or contacts in sen
				1				
SENERAL TECH		MATION						
Ainimal ratings (volta	<u> </u>							
	Voltage (V)		Current (mA)	Environment conditions		ironment conditions 2	Environment condit	ions 3
				Ambient air must be free of particu contamination with sulfur and/or		ase extraordinary contamination		
				sulfurous components such as H2	S with	dust is expected an adequate		
V	20		5	etc.	dus	t protection is required.	-	
ize of conductor						0		
composition of conduc	etor	Min / M	ax. value	No. of conductor	per termin	Cross section (mm²) or al (AWG/kcmil)	Material of the v	vire
olid wire		Min.	10.00	Tro. or conductor	_ 3. (3.111111	1 0.5mm²	Copper	
olid wire		Min.				2 0.5mm²	Copper	
exible wire		Min.				1 0.75mm²	Copper	
exible wire		Min.				2 0.75mm²	Copper	
lexible wire		Max.				2 AWG 16	Copper	
						2 1.5mm ²	Copper	



Size of conductor				
OIZE OI COIIGUCIOI			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	1.5mm²	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	0.5mm²	Copper
Stripping length				
		Length (mm)		
		6L		
Recommended screw driver				
Type of screw driver		Value		
Cross Screwdriver		PH1		
Slot screwdriver according to DIN 5264		0,6x3,5		
Tightening torque of screws				
	tighteni	ing 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 temperature	` '	
	-40		85 In case of temperatures	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 perso	ons according to the accepted rules of tech	inology.	
- Use copper wire only. Do not coat the wire end with	ı tin.			
13 21				
\' '				
14 22				