



Sample image

Datasheet

Article number: 70011109

Designation: KG20.T203/D-A159.KL51V

Description: Switch

Rated insulation voltage Ui	-	Volt	tage (V) AC / D	OC .			
			690 AC				
Rated uninterrupted curren							
Current (A)	Ambient temperature (°C)	Peak temperature (°0			dente e OA le come o		
25	50		55 Ambient ter	mperature +50°C	during 24 hours v	vith peaks up to +55°C	
Rated operational current le Utilization category	ie			Va	ltage (V)		Current (A
AC-32A				VO	20 - 400		Current (F
Rated operational power					20 400		
Utilization category		Voltage (V)	٨	lo. of phases		No. of poles	Power (kV
AC-3		220 - 240		, 3		. 3	,
AC-3		380 - 440		3		3	5,5
AC-3		660 - 690		3		3	5,5
AC-23A		220 - 240		3		3	5,5
AC-23A		380 - 440		3		3	7,5
AC-23A		660 - 690		3		3	7,5
Max Fuse Rating IEC							
Fuse characteristic					No. of Fu		Current (
gG						1	3
UL60947-4-1, UL50	08						
Nominal Voltage							
		Volt	tage (V) AC / D	OC			
			600 AC				
Rated insulation voltage Ui	i						
		Volt	tage (V) AC / D	OC .			
5			600 AC				
Rated thermal current	0	+ (4)		A b : t t	(00) A -l-liti:		
	Curren			Ambient tempera	o - 40	nai i ext	
Horsepower rating		25			0 - 40		
i lorsepower rating							
Across-the-Line Motor Starti	tina		Voltage (V)	No of phases	No of poles	Power (HP)	Ambient temperature [°
	ting		Voltage (V)	No. of phases	No. of poles	Power (HP)	
DOL	ting		110 - 120		No. of poles 2 2	Power (HP) 1 3	4
DOL DOL	ting		110 - 120 220 - 240	1	2 2	1 3	4
DOL DOL DOL	ting		110 - 120	1	2	1	4
DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277	1 1 1	2 2 2	1 3 3	4 4 4 4
DOL DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415	1 1 1 1	2 2 2 2	1 3 3 5	Ambient temperature (°t 4 4 4 4 4 4 4
DOL DOL DOL DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480	1 1 1 1 1	2 2 2 2 2 2	1 3 3 5 5 5 5	4 4 4 4 4
Across-the-Line Motor Starti DOL DOL DOL DOL DOL DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240	1 1 1 1 1 1 3 3	2 2 2 2 2 2 2 2 3 3	1 3 3 5 5 5 5 2 7,50	4 4 4 4 4 4
DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	1 1 1 1 1 1 3 3 3	2 2 2 2 2 2 2 3 3 3	1 3 3 5 5 5 5 2 7,50	4 4 4 4 4 4 4
DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 1 1 1 1 1 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10	4 4 4 4 4 4 4 4
DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	1 1 1 1 1 1 3 3 3	2 2 2 2 2 2 2 3 3 3	1 3 3 5 5 5 5 2 7,50	4 4 4 4 4 4 4
DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 1 1 1 1 1 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10	4 4 4 4 4 4 4 4
DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 1 1 1 1 1 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10	2 2 2 2 2 2 2
DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 1 1 1 1 1 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10	
DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 1 1 1 1 1 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10	2 2 2 2 2 2 2
DOL		next more than 101A max.	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of delivering		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 3 3 3 3 3 3	2 2 2 2 2 2 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 3 3 3 3 3 3	2 2 2 2 2 2 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of deliverin t capable of delivering not more th	an 65000 rms symmetrical am	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 3 3 3 3 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating	an 65000 rms symmetrical am	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 3 3 3 3 3 3 3 3	2 2 2 2 2 2 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating	an 65000 rms symmetrical am	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 3 3 3 3 3 3 3 3	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating 60	an 65000 rms symmetrical am (°C) - 75	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	
DOL	use on circuits capable of delivering t capable of delivering not more the Temperature rating 60 tage (V) Current (A)	an 65000 rms symmetrical am	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 1 1 1 1 1 3 3 3 3 3 3 3 3 3	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	No. of contacts in series
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating 60	an 65000 rms symmetrical am (°C) -75 No. of phases	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of delivering t capable of delivering not more the Temperature rating 60 tage (V) Current (A) 277 25	an 65000 rms symmetrical am (°C) - 75 No. of phases 1	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20	No. of contacts in serie

- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.



General Information						
Text						
- When intended for use as a motor disconnector the	device shall be provided with	th a method of boing looks	ed in the OFF-position	n		
	device shall be provided wi	tir a method or being locke	d iii tile OFF-positio	111.		
CSA						
Nominal Voltage		Voltage (V) AC / L	00			
		600 AC				
Rated insulation voltage Ui		000 A0				
		Voltage (V) AC / E	OC .			
		600 AC				
Rated thermal current						
	Current (A)		Ambient temperatu		nal Text	
Hanaan awan natin n	25			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	1	2	1	4
DOL		220 - 240	1	2	3	4
DOL		277 - 277	1	2	3	4
DOL		415 - 415	1	2	5	4
DOL		440 - 480	1	2	5	4
DOL		550 - 600	1	2	5	4
DOL DOL		110 - 120 220 - 240	3	3	2 7,50	41
DOL		415 - 415	3	3	7,50 10	41
DOL		440 - 480	3	3	15	41
DOL		550 - 600	3	3	20	4
Pilot duty rating code						
Duty Code						
A600						
Temp. rating of wire	re rating (°C)		C	ont (A) Toyt		
remperatui	75		Curr	ent (A) Text		
General Use	73					
AC / DC Voltage (V) Current (A)	No. of phase	es No. of pole	es			No. of contacts in series
AC 277 25			1			
AC 600 25			2			
AC 600 25		3	3			<u> </u>
GENERAL TECHNICAL INFORMATION						
Size of conductor						
				Cross section	(mm²) or	
		N		I (AIAIO //:1)	. () 0.	Make at all a fall a contract
composition of conductor	Min. / Max. value	No. of co	nductor per termina	I (AWG/kcmil)	. () 0.	Material of the wire
solid wire	Min.	No. of co	1	I (AWG/kcmil) 0.75mm²	. () 0.	Copper
solid wire solid wire	Min. Min.	No. of co	1	(AWG/kcmil) 0.75mm² 0.5mm²	, () 6.	Copper Copper
solid wire	Min.	No. of co	1 2 2	I (AWG/kcmil) 0.75mm²	, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper
solid wire solid wire flexible wire	Min. Min. Min.	No. of co	1 2 2 1	 (AWG/kcmil) 0.75mm² 0.5mm² 0.75mm² 	. ()	Copper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire	Min. Min. Min. Max. Max. Min.	No. of co	1 2 2 1 1 1	 (AWG/kcmil) 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² 	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper Copper Copper Copper Copper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire	Min. Min. Min. Max. Max. Min. Max.	No. of co	1 2 2 1 1 1 1	 I (AWG/kcmil) 0.75mm² 0.5mm² 0.75mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² 	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper Copper Copper Copper Copper Copper Copper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire	Min. Min. Min. Max. Max. Min. Min. Max. Min. Max.	No. of co	1 2 2 1 1 1 1 1	 I (AWG/kcmil) 0.75mm² 0.5mm² 0.75mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 	((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Max.	No. of co	1 2 2 1 1 1 1 1	 (AWG/kcmil) 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 	((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Min.	No. of co	1 2 2 2 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	(()	Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Max.	No. of co	1 2 2 2 1 1 1 1 1	 (AWG/kcmil) 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 	(()	Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228	Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Max. Min.	No. of co	1 2 2 2 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228	Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Max. Min.		1 2 2 2 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228	Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Max. Min.		1 2 2 2 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228	Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Max. Min.	Length (mm)	1 2 2 2 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver	Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Max. Min.	Length (mm) - 9Value	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver	Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Max. Min.	Length (mm) 9 Value PH2	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264	Min. Min. Max. Max. Min. Max. Min. Max. Max. Max. Max. Max. Max. Min.	Length (mm) - 9Value	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9L Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper topper Copper topper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9L Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper topper Copper topper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Topper Copper Copper Topper To
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Topper Copper Copper Topper To
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Topper Copper Copper Topper To
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Topper Copper Copper Topper To
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Topper Copper Copper Topper To
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification EAC	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Topper Copper Copper Copper Topper To
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification EAC CE marking	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Topper Copper Copper Copper Topper To
solid wire solid wire flexible wire flexible wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification EAC	Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 2 1 1 1 1 1 1 1 1 2 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²		Copper Marking Marking
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General Information

Text

- EMC Note: This device is suitable for use in environment A and B.
- Do not lubricate or treat contacts.
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.
- Use copper wire only. Do not coat the wire end with tin.
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.

Waste Electrical & Electronic Equipment (WEEE)

Z

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

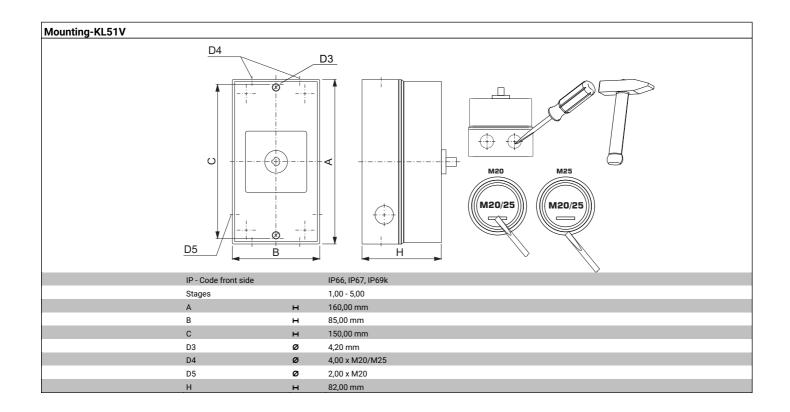
Proposition 65

Picture name

WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge Classification Contact Mat: Silver

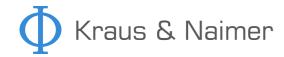
Classification Terminal: Screw terminal



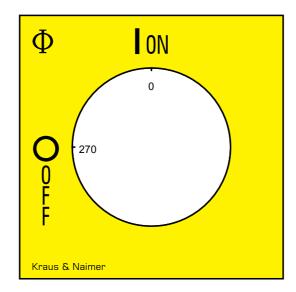


Wiring diagram KG20.T303.KL51V

L	.1 L2 L3
Т	T1 T2 T3



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

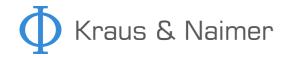
Number of contacts: "2" 2 auxiliary contacts **Operation of contacts:** "C" 1 auxiliary contact closed in pos. 1 and 1 auxiliary contact closed in

pos. 0 (NO/NC)

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

VE2, silver contacts

	E 0660 Teil 107				
Nominal Voltage		Voltage (V) AC/DC		
			00 AC		
			00 AC		
Rated uninterrupted current lu/lth		0.2	NO AC		
·	nt temperature (°C)	Peak temperature (°C) ad	ditional requirements		
10	55		nbient temperature +55°C dur	ng 24 hours with peaks up	to +60°C
16	55		nbient temperature +55°C dur		
Rated operational current le					
Itilization category			Volta		Current
AC-15				- 240	2
AC-15			380	- 440	1,
AC-15				500	
AC-21A				500	
JL60947-4-1 , UL508					
Nominal Voltage					
			V) AC/DC		
		60	00 AC		
Rated insulation voltage Ui					
			V) AC/DC		
		60	00 AC		
Rated thermal current	- (1)			(-1)	
	Current (A)			e (°C) Additional Text	
Pilot duty rating code	10			0 - 40	
General Use AC / DC Voltage (V)	Current (A)	No. of phases N	lo. of poles 1		No. of contacts in ser
AC 600 GENERAL TECHNICAL INFOR	10		•		No. of contacts in ser
General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFOR Size of conductor	10 RMATION	1	1	Cross section (mm²) or	
General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFOR Size of conductor composition of conductor	10 RMATION Min. / Max.	1	1 No. of conductor per terminal	(AWG/kcmil)	Material of the wire
General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFOR Size of conductor composition of conductor solid wire	10 RMATION Min. / Max. Min.	1	1 No. of conductor per terminal 1	(AWG/kcmil) 0.5mm²	Material of the wire Copper
General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFOR Size of conductor composition of conductor solid wire solid wire	Min. / Max. Min. Min. Min.	1	No. of conductor per terminal 1 2	(AWG/kcmil) 0.5mm² 0.5mm²	Material of the wire Copper Copper
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General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFORE Size of conductor composition of conductor solid wire lexible wire lexible wire lexible wire lexible wire single-core or stranded wire single-core or stranded wire lexible wire with ferrule according to Di Stripping length	Min. / Max. Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max	value Length (mn	No. of conductor per terminal 2 1 2 2 2 2 2 1 2 2 1 1 2 1 2 2	(AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² 4WG 16 1.5mm² 4WG 14 1.5mm² 1.5mm² 0.5mm²	Material of the wire Copper
General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFOR Size of conductor composition of conductor solid wire lexible wire with ferrule according to Di lexible mire with ferrule according to Di Stripping length	Min. / Max. Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max	value Length (mn	No. of conductor per terminal 2 1 2 2 2 2 2 1 2 2 1 1 2 1 2 2	(AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² 4WG 16 1.5mm² 4WG 14 1.5mm² 1.5mm² 0.5mm²	Material of the wire Copper
General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFOR Size of conductor composition of conductor solid wire flexible core or stranded wire	Min. / Max. Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max	value Length (mn	No. of conductor per terminal 1 2 1 2 2 2 2 2 2 2 1 2 7 1 2	(AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² 4WG 16 1.5mm² 4WG 14 1.5mm² 1.5mm² 0.5mm²	Material of the wire Copper
General Use AC / DC Voltage (V) AC 600 GENERAL TECHNICAL INFORESize of conductor composition of conductor solid wire elexible wire elexible wire elexible wire lexible wire with ferrule according to DI	Min. / Max. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max	value Length (mn	No. of conductor per terminal 1 2 1 2 2 2 2 2 2 2 1 1 2 Value	(AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² 4WG 16 1.5mm² 4WG 14 1.5mm² 1.5mm² 0.5mm²	Material of the wire Copper



General Information Text - Do not lubricate or treat contacts. - Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology. - Use copper wire only. Do not coat the wire end with tin. 13 21