



#### Sample image

### **Datasheet**

Article number: 70024034

**Designation:** KG20.T203/40.KS51V **Description:** Switch Global Disconnector

Rated insulation voltage Ui	İ						
	•	Volta	ge (V) AC / D	С			
			690 AC				
Rated uninterrupted curren							
Current (A)	Ambient temperature (°C)	Peak temperature (°C			-li		
25	50	55	Ambient ten	nperature +50°C	during 24 hours v	vith peaks up to +55°C	
Rated operational current le Utilization category	le			Vo	Itage (V)		Current (A
AC-32A					20 - 400		2 Current
Rated operational power					20 400		
Utilization category		Voltage (V)	N	o. 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							
		Volta	ge (V) AC / D	С			
			600 AC				
Rated insulation voltage Ui	i						
		Volta	ge (V) AC / D	С			
B . I.I. I			600 AC				
Rated thermal current		. (4)			(00) 4 11:::	· - ·	
	Curren			Ambient tempera	oture (*C) Additio 0 - 40	onal Text	
Horsepower rating		25			0 - 40		
Across-the-Line Motor Start			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°
	tina					7 01101 (1117)	
	ting			1	2	1	
DOL	ting		110 - 120		2 2	1 3	4
DOL DOL	ting		110 - 120 220 - 240	1	2	3	4
DOL DOL DOL	ting		110 - 120	1			4
DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277	1 1 1	2 2	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	3 3 5	4 4 4 4 4
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	3 3 5 5	4 4 4 4 4
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 3 3	3 3 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 3 3 3	3 3 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 3 3 3 3	3 3 5 5 5 2 7,50 10	4 4 4 4 4 4 4 4
DOL	iting		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 3 3 3	3 3 5 5 5 2 7,50	4 4 4 4 4 4 4
DOL	iting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	4 4 4 4 4 4 4 4
DOL	iting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	2 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 3 3 3 3	3 3 5 5 5 2 7,50 10	
DOL	iting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	
DOL		net more than 1014 me.	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 3	2 2 2 2 2 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	
DOL	use on circuits capable of deliverin		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 3 3 3 3 3 3	2 2 2 2 2 3 3 3 3 3 3	3 3 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 3 3 3 3 3 3	2 2 2 2 2 3 3 3 3 3 3	3 3 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 amp	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	2 2 2 2 2 3 3 3 3 3 3 3	3 3 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 amp	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	2 2 2 2 2 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	2 2 2 2 2 2 2 2
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating	an 65000 rms symmetrical amp	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	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 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 amp (°C) - 75	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	es, 600V ac max., when protec	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 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	an 65000 rms symmetrical amp	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	es, 600V ac max., when protec	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating 60	an 65000 rms symmetrical amp (°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	es, 600V ac max.nax., when protects	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 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 amp  (°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 3 3 3 3 3 3 3	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	

- 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 a	method of being locke	ed in the OFF-positi	on.			
CSA		<u> </u>	•				
Nominal Voltage							
Tronmar voitage		Voltage (V) AC / L	DC .				
		600 AC					
Rated insulation voltage Ui			-				
		Voltage (V) AC / L	OC .				
Rated thermal current		600 AC					
Rateu tilerillai current	Current (A)		Ambient temperat	ture (°C) Additio	onal Text		
	25		, import temperat	0 - 40	mar ronc		
Horsepower rating							
Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperat	
DOL		110 - 120	1	2	1		40
DOL		220 - 240	1	2 2	3		40 40
DOL DOL		277 - 277 415 - 415	1	2	5		40
DOL		440 - 480	1	2	5		40
DOL		550 - 600	1	2	5		40
DOL		110 - 120	3	3	2		40
DOL		220 - 240	3	3	7,50		40
DOL		415 - 415	3	3	10		40
DOL		440 - 480	3	3	15		40
DOL Bilat duty rating and		550 - 600	3	3	20		40
Pilot duty rating code  Duty Code							
A600							
Temp. rating of wire							
	re rating (°C)		Cui	rrent (A) Text			
	75						
General Use							
AC / DC Voltage (V) Current (A)		No. of pole				No. of contacts in	
AC 277 25 AC 600 25			2				1
AC 600 25 AC 600 25			3				1
	<u> </u>		3				
GENERAL TECHNICAL INFORMATION							
Tightening torque of screws	*iah*aniu	(Al)				tightening torqu	in (lh in)
	TIANTENIA						
	ugnteim	ng torque (Nm)				tightening torqu	
Stripping length		1,25				tightening torqu	11
Stripping length	ugnem					agricining torqu	
Stripping length		1,25 Length (mm)	PPINGLENGTH			agmening torqu	
Stripping length Size of conductor	ugræmi	1,25 Length (mm)	PPINGLENGTH			agiteining torqu	
Size of conductor		1,25  Length (mm) 9 STRIF		Cross section	n (mm²) or		
Size of conductor composition of conductor	Min. / Max. value	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil)	n (mm²) or	Material of the wire	
Size of conductor		1,25  Length (mm) 9 STRIF	nductor per termin	Cross section al (AWG/kcmil) 1 0.75mm² 2 0.5mm²	n (mm²) or	Material of the wire Copper	
Size of conductor  composition of conductor  solid wire	Min. / Max. value Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm²	n (mm²) or	Material of the wire	
Size of conductor  composition of conductor  solid wire  solid wire	Min. / Max. value Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm²	n (mm²) or	Material of the wire Copper Copper	
Size of conductor  composition of conductor solid wire solid wire flexible wire flexible wire flexible wire	Min. / Max. value Min. Min. Min. Max. Max.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm <sup>2</sup> 2 0.5mm <sup>2</sup> 2 0.75mm <sup>2</sup> 1 AWG 10 1 4mm <sup>2</sup>	n (mm²) or	Material of the wire Copper Copper Copper Copper Copper Copper	
Size of conductor  composition of conductor solid wire solid wire flexible wire flexible wire flexible wire flexible wire	Min. / Max. value Min. Min. Min. Max. Max. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm <sup>2</sup> 2 0.5mm <sup>2</sup> 2 0.75mm <sup>2</sup> 1 AWG 10 1 4mm <sup>2</sup> 1 1.5mm <sup>2</sup>	n (mm²) or	Material of the wire Copper Copper Copper Copper Copper Copper Copper	
Size of conductor  composition of conductor solid wire solid wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire	Min. / Max. value Min. Min. Min. Max. Max. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm <sup>2</sup> 2 0.5mm <sup>2</sup> 2 0.75mm <sup>2</sup> 1 AWG 10 1 4mm <sup>2</sup> 1 1.5mm <sup>2</sup> 1 6mm <sup>2</sup>	n (mm²) or	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper	
Size of conductor  composition of conductor solid wire solid wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire	Min. / Max. value Min. Min. Min. Max. Max. Max. Min. Min. Max. Min. Max. Max.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.75mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10	n (mm²) or	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper	
Size of conductor  composition of conductor solid wire solid wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve	Min. / Max. value Min. Min. Min. Max. Max. Max. Min. Max. Max. Max. Max.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4wm²	n (mm²) or	Material of the wire Copper	
Size of conductor  composition of conductor solid wire solid wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire	Min. / Max. value Min. Min. Min. Max. Max. Max. Min. Min. Max. Min. Max. Max.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	
Size of conductor  composition of conductor 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. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4wm²	n (mm²) or	Material of the wire Copper	
Size of conductor  composition of conductor 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. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	
Size of conductor  composition of conductor 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 Approbations	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	11 Marking
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	11 Marking
Size of conductor  composition of conductor 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 Approbations	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHL
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHL
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	11 Marking
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHI
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHI
Size of conductor  composition of conductor 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 Approbations Specification  EAC	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EMI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EMI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHI
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EMI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screw driver Type of screw driver Cross Screwdriver	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF  No. of co	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EHI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) — 9 STRIF  No. of co	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EMI CE
Size of conductor  composition of conductor solid wire solid wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire flexible wire with sleeve flexible wire with sleeve flexible wire with ferrule according to DIN 46228 flexible wire with ferrule according to DIN 46228 Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 General Information	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Max. Min. Max. Min. Min. Min.	1,25  Length (mm) 9 STRIF  No. of co	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EMI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 General Information Text	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Min. Min.	1,25  Length (mm) 9 STRIF  No. of co	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EMI CE
Size of conductor  composition of conductor solid wire solid 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 Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver ascording to DIN 5264 General Information	Min. / Max. value Min. Min. Min. Max. Max. Min. Max. Min. Max. Min. Max. Min. Min.	1,25  Length (mm) 9 STRIF  No. of co	nductor per termin	al (AWG/kcmil) 1 0.75mm² 2 0.5mm² 2 0.75mm² 1 AWG 10 1 4mm² 1 1.5mm² 1 6mm² 1 AWG 10 1 4mm² 1 0.75mm²	n (mm²) or	Material of the wire Copper	Marking EMI CE



#### 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.
- 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)

Picture name Description

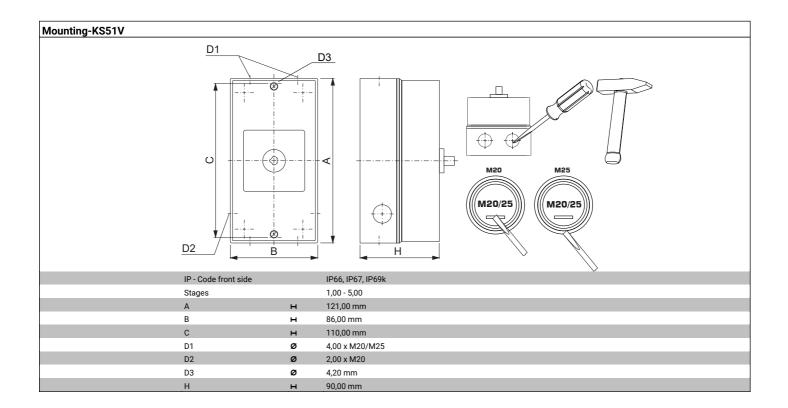
Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausnaimer.com

Proposition 65

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.KS51V

L1	L2	L3
	\	
T1	T2	Т3

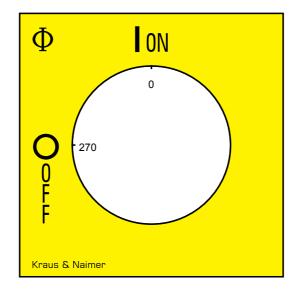


## Switch program KG20.T303.KS51V

	Mraus &	ΙVa	ımer	KG2	20	T303			Page	1 of 1
	Face Plate									
	1		L1 1	L2 3	L3 5	7	9	11	13	15
0 (-276 90 -)			\	\	\1					
	180		, 							
	hing Angle 90 switching Angle 90	-	2 T1	4 T2	6 T3	8	10	12	14	16
	0	270								
	1	0								
		90								
_										
		180								



## 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

IEC 60947-3 EN 6094	7-3, VDE 0660 Teil	107			
Nominal Voltage		Vol	tage (V) AC / DC		
		Voi	500 AC		
			690 AC		
Rated uninterrupted current	I/IAL		690 AC		
Current (A)	Ambient temperature	(°C) Poak tomporaturo (°	C) additional requirements		
10	Ambient temperature		60 Ambient temperature +55°C du	ring 24 hours with pooks	2 Up to ±60°C
16			60 Ambient temperature +55°C dui		
Rated operational current le		33	Ambient temperature +55 C dui	illig 24 flours with peaks	s up to +00 C
Utilization category			Volta	ige (V)	Current (A
AC-15				) - 240	2,5
AC-15				) - 440	1,5
AC-15			300	500	1,0
AC-21A				500	1
-					
UL60947-4-1 , UL508	<b>3</b>				
Nominal Voltage					
		Vol	tage (V) AC / DC		
			600 AC		
Rated insulation voltage Ui					
		Vol	tage (V) AC / DC		
			600 AC		
Rated thermal current					
		Current (A)		re (°C) Additional Text	
		10		0 - 40 -	
Pilot duty rating code					
Duty Code					
A600					
General Use	(1)				
	ge (V) Current (A)	No. of phases	No. of poles		No. of contacts in serie
AC	600 10	1	1		
GENERAL TECHNICA	L INFORMATION				
Tightening torque of screws					
		tightening torg	ue (Nm)		tightening torque (lb-in
		.,	0,60		19 11 9 11 (1
Stripping length			·		
<del>                                    </del>		Leng	th (mm)		
		9	6 STRIPPINGLENGTH		
Size of conductor					
				Cross section (mm²) or	r
composition of conductor		Min. / Max. value	No. of conductor per terminal		Material of the wire
solid wire		Min.		0.5mm²	Copper
solid wire		Min.		0.5mm²	Copper
flexible wire		Min.		0.75mm²	Copper
flexible wire		Min.	2	0.75mm²	Copper
flexible wire		Max.	2	AWG 16	Copper
flexible wire		Max.	2	1.5mm²	Copper
Single-core or stranded wire		Max.	0	AWG 14	Copper



Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
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	0.5mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²	Copper
Recommended screw driver				
Type of screw driver		Value		
Cross Screwdriver		PH1		
Slot screwdriver according to DIN 5264		0,6x3,5		
General Information				
Text				
- Do not lubricate or treat contacts.				
- Switches may only be mounted, connected and set	into operation by qualified persons according	ng to the accepted rules of tech	nology.	
- Use copper wire only. Do not coat the wire end with	tin.			
13 21				
14 22				