



Sample image

Datasheet

Article number: 70010548

Designation: KG20.T203/33.KS51V **Description:** Switch Global Disconnector

Rated insulation volt	4 00947-3, VDE	0660 Teil 107							
VOIL									
				Voltage (V) AC / D	IC .				
				690 AC					
Rated uninterrupted				(44)					
Current (A)	Ambient	t temperature (°C)	Peak temperatu	re (°C) additional re			' I		
25		50		55 Ambient ter	nperature +50°C (during 24 hours w	vith peaks up to +55°C		
Rated operational cu Utilization category	irrent le				1/2	Itama (M)		Current	
AC-32A						Itage (V) 20 - 400		Current (
Rated operational po	nwor.					20 - 400		•	
Utilization category	Jwei		Voltage (V)	٨	lo. of phases		No. of poles	Power (k)	
AC-3			220 - 240	^	3		3	r ower (ki	
AC-3			380 - 440		3		3	5,5	
AC-3			660 - 690		3		3	5,5	
AC-23A			220 - 240		3		3	5,	
AC-23A			380 - 440		3		3	7,5	
AC-23A			660 - 690		3		3	7,	
Max Fuse Rating IEC	;				-		-	.,	
Fuse characteristic						No. of Fu	ses	Current (
gG						377 0	1	ounom (
-	III E00								
UL60947-4-1 , l	ULOUB								
Nominal Voltage				1/-14 (1/) 40 / 5	10				
				Voltage (V) AC / D 600 AC	iC .				
Datad insulation walt	hama III			BUU AC					
Rated insulation volt	tage ui			Voltage (V) AC / D	10				
				600 AC	lC .				
Rated thermal currer				000 AC					
Rated thermal currer	nı	Current (A			Ambient tempera	turo (°C) Additio	nal Toyt		
		25			Ambient temperature (°C) Additional Text 0 - 40				
Horsepower rating			·			0 .0			
Across-the-Line Moto									
ACTUSS-THE-LINE MOTO	or Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [
	or Starting			Voltage (V) 110 - 120	No. of phases	No. of poles	Power (HP)		
DOL	or Starting				•		, ,	· ·	
DOL DOL	or Starting			110 - 120 220 - 240	•	2 2	1 3		
DOL DOL DOL	or Starting			110 - 120 220 - 240 277 - 277	1 1	2	1 3 3		
DOL DOL DOL	or Starting			110 - 120 220 - 240	1 1 1	2 2 2	1 3		
DOL DOL DOL DOL	or Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480	1 1 1 1	2 2 2 2	1 3 3 5 5		
DOL DOL DOL DOL DOL DOL	or Starting			110 - 120 220 - 240 277 - 277 415 - 415	1 1 1 1	2 2 2 2 2 2	1 3 3 5		
DOL DOL DOL DOL	or Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600	1 1 1 1 1	2 2 2 2 2 2 2	1 3 3 5 5 5 5		
DOL	or Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	1 1 1 1 1 1 3	2 2 2 2 2 2 2 2 3	1 3 3 5 5 5		
DOL	or Starting			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 3 3	1 3 3 5 5 5 5 2 7,50		
DOL	or Starting			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	2 2 2 2 2 2 2 3 3 3	1 3 3 5 5 5 5 2 7,50		
DOL				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 3	2 2 2 2 2 2 2 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10		
DOL				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				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	e			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	e			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	e ting ability	s capable of delivering no	t more than 10kA rms	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 2 2 3 3 3 3 3 3	1 3 3 5 5 5 5 2 7,50 10 15 20		
DOL	e ting ability le for use on circuits	s capable of delivering no		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amper	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		
DOL	e ting ability le for use on circuits circuit capable of d	s capable of delivering no lelivering not more than 6		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amper	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		
DOL	e ting ability le for use on circuits circuit capable of d	elivering not more than 6	5000 rms symmetrica	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amper	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	1 3 3 5 5 5 5 2 7,50 10 15 20		
DOL	e ting ability le for use on circuits circuit capable of d		5000 rms symmetrica	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amper	1 1 1 1 1 1 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		
DOL	e ting ability le for use on circuits circuit capable of d	elivering not more than 6 Temperature rating (°C,	5000 rms symmetrica	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amper	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	1 3 3 5 5 5 5 2 7,50 10 15 20	2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
DOL	e ting ability le for use on circuits circuit capable of d	elivering not more than 6 Temperature rating (°C, 60 - 75	5000 rms symmetrica	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amper	1 1 1 1 1 1 1 3 3 3 3 3 3 7 res, 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	1 3 3 5 5 5 5 2 7,50 10 15 20		
DOL	e ting ability le for use on circuits circuit capable of d	elivering not more than 6 Temperature rating (°C,	5000 rms symmetrica	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amper	1 1 1 1 1 1 1 3 3 3 3 3 3 7 res, 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	1 3 3 5 5 5 5 2 7,50 10 15 20	Ambient temperature [*	



General Use							
- , ,	nt (A)	No. of phases	No. of pole				No. of contacts in series
AC 600 General Information	25	3		3			1
Text							
- The operating handle and position indicating	neans to	o be used with these manual	motor controllers shou	ıld be provided fro	m the manufactu	rer, or the operatin	a handle and position indicating means
to be used should have been previously evaluate						,	gg
- When intended for use as a motor disconnect	or the de	evice shall be provided with a	method of being locke	ed in the OFF-posit	ion.		
CSA							
Nominal Voltage							
Ţ			Voltage (V) AC / L	OC .			
			600 AC				
Rated insulation voltage Ui							
			Voltage (V) AC / L	OC .			
Rated thermal current			600 AC				
Rateu triermai current		Current (A)		Ambient tempera	ture (°C) Addition	nal Text	
		25		, in brone tempera	0 - 40	Tur Toxe	
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	40
DOL			220 - 240	1	2	3	40
DOL DOL			277 - 277 415 - 415	1 1	2 2	3 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			550 - 600	3	3	20	40
Pilot duty rating code Duty Code							
A600							
Temp. rating of wire							
	oerature	rating (°C)		Cu	rrent (A) Text		
		75					
General Use	. (1)						
AC / DC Voltage (V) Curre	nt (A) 25	No. of phases	No. of pole	es 1			No. of contacts in series
AC 277	25	1		2			1
AC 600	25	3		3			1
GENERAL TECHNICAL INFORMATI		<u> </u>		-			
Size of conductor	014						
0.20 01 001100001					Cross section	(mm²) or	
composition of conductor		Min. / Max. value	No. of co	nductor per termin	nal (AWG/kcmil)	` ′	Material of the wire
solid wire		Min.			1 0.75mm²		Copper
solid wire flexible wire		Min. Min.			2 0.5mm ² 2 0.75mm ²		Copper Copper
flexible wire		Max.			1 AWG 10		Copper
flexible wire		Max.			1 4mm²		Copper
flexible wire		Min.			1 1.5mm ²		Copper
Single-core or stranded wire		Max.			1 6mm²		Copper
Single-core or stranded wire		Max.			1 AWG 10		Copper
flexible wire with sleeve		Max.			1 4mm²		Copper
flexible wire with ferrule according to DIN 4622		Min.			1 0.75mm²		Copper
flexible wire with ferrule according to DIN 4622	8	Min.			2 0.5mm²		Copper
Stripping length			Length (mm)				
			_ongar (mm)				
			9				
Recommended screw driver			9 -				
Type of screw driver			Value				
Cross Screwdriver			PH2				
Slot screwdriver according to DIN 5264			0,8x4				
Tightening torque of screws							
		tighten	ing torque (Nm)				tightening torque (lb-in)
Approbations			1,25				11
							Marking
							ivialKilly
Specification							
Specification							ומן
							ERC
Specification							
Specification EAC							
Specification							
Specification EAC CE marking							C€
Specification							



Approbations

Specification

Marking

(W)

CSA C.22.2 No.14

GB/T14048.3

General Information

- 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)

Picture name Z

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

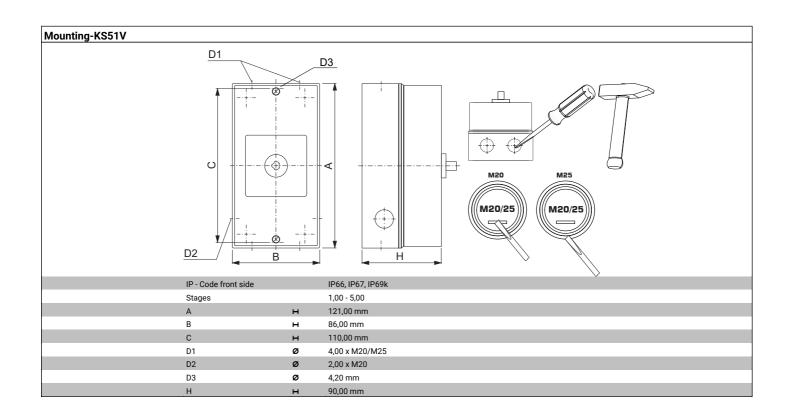
Picture name

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.KS51V

L1 L2 L3
T1 T2 T3



Switch program KG20.T303.KS51V

A 1/ 0 N								
Traus & Na	KG2	KG20 T303		Page 1 of			1 of 1	
Face Plate								
1	<u>L1</u>	L2 3	L3 5	7	9	11	13	15
0 (-270 90 -)	\1	χ1	χ1					
180		\	\					
		-	-					
Switching Angle 90	2	4	6	8	10	12	14	16
Total switching Angle 90 270	T1	T2	Т3					
7								
1 0								
				1				
90								
				<u> </u>				
180								
							Vers	ion: 102



Face plate s1.F656/E10.V9

