



Datasheet

Article number: 70010548 Designation: KG20.T203/33.KS51V Description: Switchgear

Sample image

IEC 60947-3 EN	60947-3. VD	E 0660 Teil 107						
Rated insulation voltage								
				Voltage (V) AC / D	DC			
Data da minta munta da s				690 AC				
Rated uninterrupted cu Current (A)		ent temperature (°C)	Poak tomporatur	e (°C) additional r	oquiromonto			
25	AIIIDIE	50	<i>геак</i> temperatur			during 24 hours	with peaks up to +55°C	
Rated operational curr	ent le	00						
Utilization category					Vo	Itage (V)		Current (A
AC-32A						20 - 400		20
Rated operational pow	er							
Utilization category			Voltage (V)	N	lo. of phases		No. of poles	Power (kW
AC-3			220 - 240		3		3	
AC-3 AC-3			380 - 440 660 - 690		3		3	5,5(
AC-23A			220 - 240		3		3	5,50 5,50
AC-23A AC-23A			380 - 440		3		3	7,50
AC-23A			660 - 690		3		3	7,50
Max Fuse Rating IEC			000 070		<u> </u>		0	7,00
Fuse characteristic						No. of F	uses	Current (A)
gG							1	35
UL60947-4-1 , UI	1 508							
Nominal Voltage	2000							
				Voltage (V) AC / D	DC			
				600 AC				
Rated insulation voltage	ge Ui							
				Voltage (V) AC / D	DC			
				600 AC				
Dated thermal ourrest								
Rated thermal current		0	(4)		A	(°C) Addit		
nateu ulermai current		Current			Ambient tempera		ional Text	
			(A) 25		Ambient tempera	ture (°C) Additi 0 - 40	ional Text	
Horsepower rating	Starting			Voltage (V)	·	0-40		Ambient temperature [°C
	Starting			Voltage (V) 110 - 120	Ambient tempera No. of phases 1		ional Text Power (HP) 1	
Horsepower rating Across-the-Line Motor :	Starting				No. of phases	0 - 40 No. of poles	Power (HP)	40
Horsepower rating Across-the-Line Motor S DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277	No. of phases 1 1 1	0 - 40 No. of poles 2 2 2 2	Power (HP) 1 3 3	4(4(4(
Horsepower rating Across-the-Line Motors DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415	No. of phases 1 1 1 1	0 - 40 No. of poles 2 2 2 2 2	Power (HP) 1 3 3 5	4(4(4(4(4(
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480	No. of phases 1 1 1 1 1	0 - 40 No. of poles 2 2 2 2 2 2 2 2	Power (HP) 1 3 3 5 5	40 44 40 40 41 41 41
Horsepower rating Across-the-Line Motor : DOL DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 1 1	0 - 40 No. of poles 2 2 2 2 2 2 2 2 2 2 2 2 2	Power (HP) 1 3 5 5 5 5	40 44 40 40 40 40 40 40 40
Horsepower rating Across-the-Line Motor S DOL DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	No. of phases 1 1 1 1 1 3	0 - 40 No. of poles 2 2 2 2 2 2 2 2 3	Power (HP) 1 3 5 5 5 5 2	Ambient temperature [*C 40 40 40 40 40 40 40 40 40 40
Horsepower rating Across the Line Motor S DOL DOL DOL DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240	No. of phases 1 1 1 1 1 1 3 3 3	0 - 40 No. of poles 2 2 2 2 2 2 2 3 3 3	Power (HP) 1 3 5 5 5 5 2 7,50	40 40 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	No. of phases 1 1 1 1 1 1 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 2 2 3 3 3 3	Power (HP) 1 3 5 5 5 2 7,50 10	40 40 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across the Line Motor S DOL DOL DOL DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	No. of phases 1 1 1 1 1 1 3 3 3	0 - 40 No. of poles 2 2 2 2 2 2 2 3 3 3	Power (HP) 1 3 5 5 5 5 2 7,50	40 40 40 40 40 40 40 40 40 40 40 40
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	No. of phases 1 1 1 1 1 1 3 3 3 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 5 2 7,50 10 15	40 40 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor : DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Starting			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	No. of phases 1 1 1 1 1 1 3 3 3 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 5 2 7,50 10 15	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL				110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	No. of phases 1 1 1 1 1 1 3 3 3 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 5 2 7,50 10 15	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor : DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	- 			110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	No. of phases 1 1 1 1 1 1 3 3 3 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1 3 3 5 5 5 2 7,50 10 15	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor : DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	ngility		25	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 3 3 3 3 3 3 3 3	0-40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor S DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Ig illity for use on circui	its capable of delivering	25 not more than 10kA rms s	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3 3 	0 - 40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20 d by Type RK1 fuses.	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Ig illity for use on circui	its capable of delivering	25	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3 3 	0 - 40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20 d by Type RK1 fuses.	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor S DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Ig illity for use on circui	its capable of delivering delivering not more than	25 not more than 10kA rms an 65000 rms symmetrical	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3	0 - 40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20 d by Type RK1 fuses.	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Ig illity for use on circui	its capable of delivering delivering not more that Temperature rating (25 25 not more than 10kA rms : n 65000 rms symmetrical °C)	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3	0 - 40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20 d by Type RK1 fuses.	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Ig illity for use on circui	its capable of delivering delivering not more than	25 25 not more than 10kA rms : n 65000 rms symmetrical °C)	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3	0 - 40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20 d by Type RK1 fuses.	40 44 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	Ig illity for use on circui	its capable of delivering delivering not more that Temperature rating (25 25 not more than 10kA rms : n 65000 rms symmetrical °C)	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 3 3 3 3 3 3 	0 - 40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20 d by Type RK1 fuses.	
Horsepower rating Across-the-Line Motor 3 DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	ig illity for use on circui ircuit capable of	its capable of delivering delivering not more that Temperature rating (60 -	25 not more than 10kA rms in 65000 rms symmetrical *C) 75	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical ampe amperes at 600V i	No. of phases 1 1 1 1 3 3 3 3 3 3 	0 - 40 - No. of poles 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1 3 5 5 2 7,50 10 15 20 d by Type RK1 fuses.	40 40 40 40 40 40 40 40 40 40 40 40 40 4



General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of pole	es			No. of contacts in serie
AC	600	25	3		3			
General Informatio	n							
Text								
					uld be provided fro	om the manufact	urer, or the operatin	g handle and position indicating mear
		•	mbination with the manual					
- When intended for	r use as a motor dis	connector the dev	ice shall be provided with a	method of being locke	ed in the OFF-posit	tion.		
CSA								
Nominal Voltage								
				Voltage (V) AC / L	DC 0			
				600 AC				
Rated insulation vo	oltage Ui			N/ 10 / 10 / 1				
				Voltage (V) AC / L 600 AC	DC			
Rated thermal curr	ent			000 AC				
		Ci	urrent (A)		Ambient tempera	ture (°C) Additio	onal Text	
			25			0-40		
Horsepower rating								
Across-the-Line Mo	tor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°
DOL				110 - 120	1	2	1	4
DOL				220 - 240	1	2	3	4
DOL				277 - 277 415 - 415	1	2	3 5	2
DOL				440 - 480	1	2	5	
DOL				550 - 600	1	2	5	
DOL				110 - 120	3	3	2	4
DOL				220 - 240	3	3	7,50	4
DOL				415 - 415	3	3	10	4
DOL				440 - 480	3	3	15	2
DOL Bilat duty nation on	da			550 - 600	3	3	20	4
Pilot duty rating co Duty Code	ae							
A600								
Temp. rating of wir	'e							
	·	Temperature r	ating (°C)		Cu	rrent (A) Text		
			75					
General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of pole				No. of contacts in serie
AC	277	25	1		1			
AC AC	600 600	25 25	1		2 3			
			5		5			
	HNICAL INFO	RMATION						
Size of conductor						Cross section	n (mm²) or	
composition of con	ductor	М	in. / Max. value	No. of co	nductor per termir	nal (AWG/kcmil)	(((((((((((((((((((((((((((((((((((((((Material of the wire
solid wire			in.			1 0.75mm ²		Copper
solid wire			in.			2 0.5mm ²		Copper
flexible wire			in.			2 0.75mm ²		Copper
flexible wire			ax.			1 AWG 10		Copper
flexible wire flexible wire			ax. in.			1 4mm ² 1 1.5mm ²		Copper
Single-core or strar	ided wire		ax.			1 1.5mm ²		Copper Copper
Single-core or stran			ax.			1 AWG 10		Copper
flexible wire with sl			ax.			1 4mm ²		Copper
flexible wire with fe	errule according to D	DIN 46228 M	in.			1 0.75mm ²		Copper
	errule according to [DIN 46228 M	in.			2 0.5mm ²		Copper
Stripping length								
				Length (mm)				
				Ē.				
-				9				
Recommended scr								
Type of screw drive	r			Value				
Cross Screwdriver	cording to DIN 5264	1		PH2 0,8x4				
Tightening torque		•		0,8X4				
rightening torque			tiahteni	ing torgue (Nm)				tightening torque (Ib-i
			lighten	1,25				lightening torque (ib i
Approbations				·				
Specification								Markir
								-
FAC								ER
EAC								
								()
CE marking								
UK Directives								UI
ST DIEGUVES								



Approbations Specification

CSA C.22.2 No.14

GB/T14048.3 General Information

Text

- EMC Note: This device is suitable for use in environment A and B.

- Do not lubricate or treat contacts.

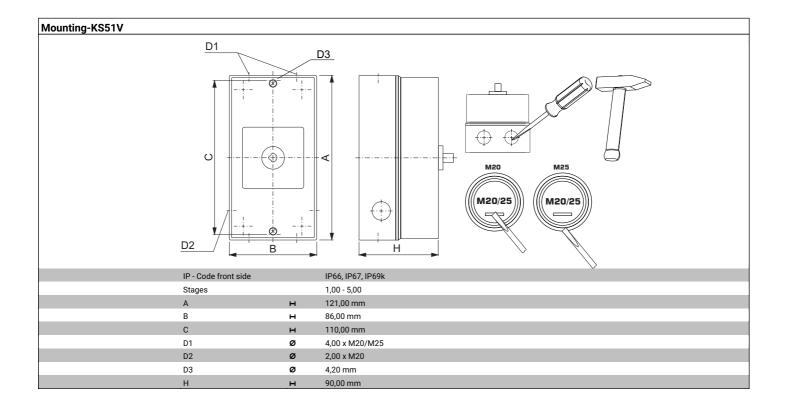
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.

- 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)					
Picture name	Description				
X	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly 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	Description				
\wedge	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



Marking

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BIT1404



	Wiring diagram KG20.T303.KS51V
L1 L2 L3	
$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$	
T1 T2 T3	



Face plate

