



## Datasheet

Article number: 70020214 Designation: KG32.T104/33.KL11V Description: Switchgear

Sample image

IEC 60047-3 EN 6004	7-3, VDE 0660 Teil 107						
Rated insulation voltage Ui	7-5, VDL 0000 Tell 107						
, <b>,</b> .			Voltage (V) AC / D	DC 00			
			690 AC				
Rated uninterrupted current l		Dealetanaant	(0) - ddition - l -				
Current (A) 32	Ambient temperature (°C) 50	Peak temperatur	re (°C) additional re		during 24 hours	with peaks up to +55°C	
Rated operational current le	50		55 Ambient ter	inperature +50 C i	uning 24 nours	with peaks up to +55 C	
Utilization category				Vo	Itage (V)		Current (A
AC-32A					20 - 400		3:
Rated operational power							
Utilization category		Voltage (V)	٨	lo. of phases		No. of poles	Power (kW
AC-3		220 - 240		3		3	5,5
AC-3		380 - 440		3		3	7,5
AC-3		660 - 690		3		3	7,5
AC-23A AC-23A		220 - 240		3		3	5,5
AC-23A AC-23A		380 - 440 660 - 690		3		3	1: 1:
Max Fuse Rating IEC		000-090		3		J	
Fuse characteristic					No. of F	uses	Current (A
gG						1	31
UL60947-4-1, UL508							
Nominal Voltage							
Nominal Voltage			Voltage (V) AC / D	00			
			600 AC				
Rated insulation voltage Ui							
			Voltage (V) AC / D	DC			
			600 AC				
Rated thermal current							
Rateu thermal current							
	Current (			Ambient tempera		onal Text	
		4) 30		Ambient tempera	ture (°C) Additio 0 - 40	onal Text	
Horsepower rating			Voltage (V)	· · · · · · · · · · · · · · · · · · ·	0-40		Ambiant temperature [*/
Horsepower rating Across-the-Line Motor Starting			Voltage (V)	No. of phases	0 - 40 No. of poles	Power (HP)	
Horsepower rating Across-the-Line Motor Starting DOL			110 - 120	· · · · · · · · · · · · · · · · · · ·	0 - 40 No. of poles 2	Power (HP) 1,50	4(
Horsepower rating Across-the-Line Motor Starting DOL DOL			110 - 120 200 - 208	No. of phases 1	0 - 40 No. of poles 2 2	Power (HP) 1,50 3	4(
Horsepower rating Across-the-Line Motor Starting DOL			110 - 120	No. of phases 1 1	0 - 40 No. of poles 2	Power (HP) 1,50	4( 4( 4(
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL			110 - 120 200 - 208 220 - 240	No. of phases 1 1	0 - 40 No. of poles 2 2 2 2	Power (HP) 1,50 3 5	40 40 40 40 40 40
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL			110 - 120 200 - 208 220 - 240 277 - 277	No. of phases 1 1 1 1	0 - 40 No. of poles 2 2 2 2 2 2	Power (HP) 1,50 3 5 5	44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 240 277 - 277 415 - 415	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) 1,50 3 5 5 7,50 7,50	40 40 40 40 40 40 40 40 40 40 40 40 40 4
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	No. of phases 1 1 1 1 1 1 1 3	0-40 No. of poles 2 2 2 2 2 2 2 2 2 3	Power (HP) 1,50 3 5 5 5 7,50 7,50 3	
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240	No. of phases 1 1 1 1 1 1 1 3 3 3	0-40 No. of poles 2 2 2 2 2 2 2 2 2 2 3 3 3	Power (HP) 1,50 3 5 5 5 7,50 7,50 3 10	
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	No. of phases 1 1 1 1 1 1 1 1 3 3 3 3 3	0-40 No. of poles 2 2 2 2 2 2 2 2 2 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 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 3	0-40 No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	No. of phases 1 1 1 1 1 1 1 1 3 3 3 3 3	0-40 No. of poles 2 2 2 2 2 2 2 2 2 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 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 3	0-40 No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 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 3	0-40 No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 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 3	0-40 No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL			110 - 120 200 - 208 220 - 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 3	0-40 No. of poles 2 2 2 2 2 2 2 2 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL		30	110 - 120 200 - 208 220 - 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 1 3 3 3 3 3 3 3 3 3 3	0-40 No. of poles 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20 25	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	1	30 Not more than 10kA rms	110 - 120 200 - 208 220 - 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 1 3 3 3 3 3 3 3 3 3 3 3 3 3	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) 1,50 3 5 5 7,50 7,50 3 10 10 20 25 by Type RK1 fuses.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	on circuits capable of delivering r	ot more than 10kA rms 65000 rms symmetrical	110 - 120 200 - 208 220 - 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 1 3 3 3 3 3 3 3 3 3 3 3 3 3	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) 1,50 3 5 5 7,50 7,50 3 10 10 20 25 by Type RK1 fuses.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	on circuits capable of delivering r apable of delivering not more than Temperature rating (*	30 iot more than 10kA rms 65000 rms symmetrical C)	110 - 120 200 - 208 220 - 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 1 3 3 3 3 3 3 3 3 3 3 3 3 3	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) 1,50 3 5 5 7,50 7,50 3 10 10 20 25 by Type RK1 fuses.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	on circuits capable of delivering r	30 iot more than 10kA rms 65000 rms symmetrical C)	110 - 120 200 - 208 220 - 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 1 3 3 3 3 3 3 3 3 3 3 3 3 3	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) 1,50 3 5 5 7,50 7,50 3 10 10 20 25 by Type RK1 fuses.	44 44 44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	on circuits capable of delivering r apable of delivering not more than Temperature rating (* 60 - 7	ot more than 10kA rms 65000 rms symmetrical C) 75	110 - 120 200 - 208 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical ampee amperes at 600V r	No. of phases 1 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 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20 25 by Type RK1 fuses.	44 44 44 44 44 44 44 44 44 44 44
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	on circuits capable of delivering r apable of delivering not more than Temperature rating (* 60 - 7	00 100 more than 10kA rms 65000 rms symmetrical C)	110 - 120 200 - 208 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 symmetrical amperes at 600V fr	No. of phases 1 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 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Power (HP) 1,50 3 5 5 7,50 7,50 3 10 10 20 25 by Type RK1 fuses.	Ambient temperature [*C 40 40 40 40 40 40 40 40 40 40 40 40 40



General Use								
AC/DC	Voltage (V)	Current (A)	No. of pha	ses No. of p	oles			No. of contacts in seri
AC	600	30		1	2			
AC General Information	600	30		3	3			
ext								
The operating hand			o be used with these ma combination with the ma		nould be provided fr	om the manufact	urer, or the operating	g handle and position indicating mea
	•			with a method of being lo	cked in the OFF-pos	ition		
CSA								
CSA Nominal Voltage								
Nominal Voltage				Voltage (V) AC	/ DC			
				600 AC				
Rated insulation volt	tage Ui							
				Voltage (V) AC				
Rated thermal currer	nt			600 AC				
			Current (A)		Ambient temper	ature (°C) Additio	nal Text	
			30			0-40		
Horsepower rating				Malta and O	Ale of the second	No. of a star	D	A
Across-the-Line Moto DOL	or Starting			Voltage (V 110 - 120		No. of poles 2	Power (HP) 1,50	Ambient temperature [
DOL				220 - 240		2	5	
DOL				277 - 277			5	
DOL				415 - 415		2	5	
DOL				440 - 480			7,50	
DOL				550 - 600		2	7,50	
DOL				110 - 120	) 3		3	
DOL				220 - 240	) 3	3	10	
DOL				415 - 415			10	
DOL				440 - 480			20	
DOL				550 - 600	) 3	3	25	
Pilot duty rating code Duty Code	e							
A600								
Temp. rating of wire	!	Temperature	rating (°C)		0	urrent (A) Text		
			75					
General Use								
AC/DC	Voltage (V)	Current (A)	No. of pha					No. of contacts in seri
AC	277	30		1	1			
AC	600	30		1	2			
AC	600	30		3	3			
GENERAL TECH	INICAL INFOR	RMATION						
Size of conductor						Cross section	$(mm^2)$ or	
composition of condu	uctor		Min. / Max. value	No. of	conductor per term	inal (AWG/kcmil)	r (mm) 01	Material of the wire
solid wire			Min.			1 0.75mm <sup>2</sup>		Copper
solid wire			Min.			2 0.5mm <sup>2</sup>		Copper
flexible wire			Min.			2 0.75mm <sup>2</sup>		Copper
flexible wire			Max.			1 AWG 10		Copper
flexible wire			Max.			1 4mm <sup>2</sup>		Copper
flexible wire	lad winc		Min.			1 1.5mm <sup>2</sup>		Copper
Single-core or strand			Max.			1 6mm <sup>2</sup>		Copper
Single-core or strand flexible wire with slee			Max. Max.			1 AWG 10 1 4mm <sup>2</sup>		Copper Copper
flexible wire with ferr			Min.			1 0.75mm <sup>2</sup>		Copper
flexible wire with ferr			Min.			2 0.5mm <sup>2</sup>		Copper
Stripping length		· · · · · ·						••
				Length (mm)				
				- , ,				
-				9 _ <b>_</b>				
	w driver			9				
Type of screw driver	w driver			9 Val				
Type of screw driver Cross Screwdriver		1		9 Val PH	2			
Recommended screw Type of screw driver Cross Screwdriver Slot screwdriver accor Tightening torque of	ording to DIN 5264	4		9 Val	2			
Type of screw driver Cross Screwdriver Slot screwdriver acco	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			tightening torque (Ib-
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of	ording to DIN 5264	4	tig	9 Val PH 0,8	2			tightening torque (lb-
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			Marki
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations Specification	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			Marki
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations Specification	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations Specification	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			Marki
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations Specification EAC	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			Marki
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations	ording to DIN 5264	4	tiç	9 Val PH 0,8 ghtening torque (Nm)	2			Marki EF
Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations Specification EAC	ording to DIN 5264	4	tig	9 Val PH 0,8 ghtening torque (Nm)	2			Marki

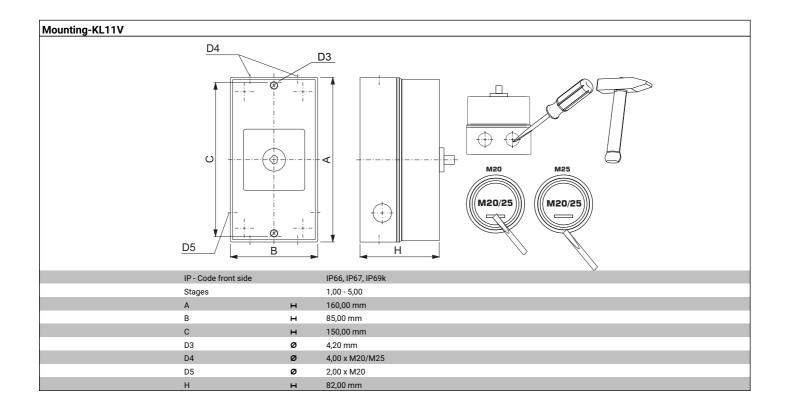


Approbations

Marking Specification CSA C.22.2 No.14  $(\mathbf{m})$ GB/T14048.3 BIT1404 **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 R 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 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.  $\wedge$ 

## Classification Contact: Rigid contact bridge Classification Contact Mat: Silver

Classification Terminal: Screw terminal





	Wiring diagram KG32.T304.KL11V
L1 L2 L3 N	
$\begin{pmatrix} & & & \\ & & & \end{pmatrix} $	
T1 T2 T3 N	



Face plate

