



#### Sample image

### **Datasheet**

Article number: 70022632

Designation: KG20.T103/NL-EXBC.\*KNBOX

Description: Switch

IEC 60947-3 EN 60947 Rated insulation voltage Ui	-3, VDE 0660 Tell 107						
Rateu ilisulation voltage of			Voltage (V) AC / D	C			
			690 AC				
Rated uninterrupted current lu							
Current (A)	Ambient temperature (°C)	Peak temperatur	re (°C) additional re				
25	50		55 Ambient ten	nperature +50°C	during 24 hours v	vith peaks up to +55°C	
Rated operational current le				1/-	14 (1.1)		0
Utilization category AC-32A					Itage (V) 20 - 400		Current (
Rated operational power					20 - 400		
Utilization category		Voltage (V)	N	lo. of phases		No. of poles	Power (kl
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	ises	Current (
gG						1	
UL60947-4-1, UL508							
Nominal Voltage							
			Voltage (V) AC / D	С			
			600 AC				
Rated insulation voltage Ui							
				^			
			Voltage (V) AC / D	С			
Pated thormal ourrent			Voltage (V) AC / D 600 AC	С			
Rated thermal current	Curre		600 AC		ture (°C) Additio	nal Text	
Rated thermal current	Curre	nt (A)	600 AC	C Ambient tempera	iture (°C) Additio	nal Text	
	Curre		600 AC			nal Text	
	Curre	nt (A)	600 AC			nal Text  Power (HP)	Ambient temperature [*
Horsepower rating Across-the-Line Motor Starting	Curre	nt (A)	600 AC	Ambient tempera	0 - 40 No. of poles 2	Power (HP)	
Horsepower rating Across-the-Line Motor Starting DOL DOL	Curre	nt (A)	Voltage (V) 110 - 120 220 - 240	Ambient tempera  No. of phases  1	0 - 40  No. of poles  2  2	Power (HP) 1 3	
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL	Curre	nt (A)	Voltage (V) 110 - 120 220 - 240 277 - 277	Ambient tempera  No. of phases 1 1 1	0 - 40  No. of poles  2  2  2	Power (HP) 1 3 3	
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL	Curre	nt (A)	Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415	Ambient tempera  No. of phases 1 1 1 1	0 - 40  No. of poles 2 2 2 2 2	Power (HP) 1 3 3 5	4
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL	Curre	nt (A)	Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480	Ambient tempera  No. of phases 1 1 1 1	No. of poles 2 2 2 2 2 2	Power (HP)  1  3  3  5	4 4 4
Horsepower rating Across-the-Line Motor Starting DOL DOL DOL DOL DOL DOL DOL DOL	Curre	nt (A)	Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600	Ambient tempera  No. of phases 1 1 1 1 1	0 - 40  No. of poles 2 2 2 2 2 2 2 2 2	Power (HP) 1 3 3 5 5 5	4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	Ambient tempera  No. of phases 1 1 1 1 1 3	0 - 40  No. of poles 2 2 2 2 2 2 2 3	Power (HP)  1 3 3 5 5 5 2	4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240	Ambient tempera  No. of phases 1 1 1 1 1 3 3	0 - 40 - 2 No. of poles 2 2 2 2 2 2 2 2 2 3 3	Power (HP)  1  3  3  5  5  2  7,50	4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 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  3  3 3	0 - 40 - 2 No. of poles 2 2 2 2 2 2 2 2 3 3 3	Power (HP)  1 3 3 5 5 5 2 7,50 10	4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 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 3 3 3 3 3	0 - 40 -  No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP)  1 3 3 5 5 5 2 7,50 10 15	2 2 2 4 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 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  3  3 3	0 - 40 - 2 No. of poles 2 2 2 2 2 2 2 2 3 3 3	Power (HP)  1 3 3 5 5 5 2 7,50 10	
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 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 3 3 3 3 3	0 - 40 -  No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP)  1 3 3 5 5 5 2 7,50 10 15	
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 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 3 3 3 3 3	0 - 40 -  No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP)  1 3 3 5 5 5 2 7,50 10 15	
Horsepower rating Across-the-Line Motor Starting DOL	Curre	nt (A)	Voltage (V) 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 3 3 3 3 3	0 - 40 -  No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP)  1 3 3 5 5 5 2 7,50 10 15	
Horsepower rating Across-the-Line Motor Starting DOL		nt (A) 25	Voltage (V) 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  No. of phases  1  1  1  1  3  3  3  3	0 - 40 - 2 No. of poles 2 2 2 2 2 2 2 3 3 3 3 3	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	2 2 2 4 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	on circuits capable of delivering	nt (A) 25	Voltage (V) 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	0 - 40  No. of poles  2 2 2 2 2 3 3 3 3 3 3 when protected	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	
Horsepower rating Across-the-Line Motor Starting DOL	on circuits capable of delivering	nt (A) 25	Voltage (V) 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	0 - 40  No. of poles  2 2 2 2 2 3 3 3 3 3 3 when protected	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	2 2 2 4 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	on circuits capable of deliverin pable of delivering not more th	nt (A) 25  ng not more than 10kA rms han 65000 rms symmetrical	Voltage (V) 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 res, 600V ac max., when protect	0 - 40  No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 when protected	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	
Horsepower rating Across-the-Line Motor Starting DOL	on circuits capable of delivering able of delivering not more the Temperature rating	nt (A) 25  ng not more than 10kA rms han 65000 rms symmetrical g (*C)	Voltage (V) 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 res, 600V ac max., when protect	No. of poles  2 2 2 2 2 2 3 3 3 3 3 3 when protected eted by 40A Class	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	
Horsepower rating Across-the-Line Motor Starting DOL	on circuits capable of delivering able of delivering not more the Temperature rating	nt (A) 25  ng not more than 10kA rms han 65000 rms symmetrical	Voltage (V) 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 res, 600V ac max., when protect	0 - 40  No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 when protected	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	
Horsepower rating Across-the-Line Motor Starting DOL	on circuits capable of delivering pable of delivering not more the Temperature rating 6	nt (A) 25  ng not more than 10kA rms han 65000 rms symmetrical g (*C) 0 - 75	Voltage (V) 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 *res, 600V ac max., when protect	No. of poles  2 2 2 2 2 2 3 3 3 3 3 3 when protected eted by 40A Class	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4
Horsepower rating Across-the-Line Motor Starting DOL	on circuits capable of delivering pable of delivering not more the Temperature rating 6	nt (A) 25  ng not more than 10kA rms han 65000 rms symmetrical g (*C)	Voltage (V) 110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600  symmetrical amper	No. of phases  1 1 1 1 3 3 3 3 3 *res, 600V ac max., when protect	No. of poles  2 2 2 2 2 2 3 3 3 3 3 3 when protected eted by 40A Class	Power (HP)  1 3 3 5 5 5 2 7,50 10 15 20	Ambient temperature [*\frac{4}{4} 4 4 4 4 4 4 4 4 A No. of contacts in serie



AC / DC								
4.0	Voltage (V)	Current (A)	No. of phases	No. of pole				No. of contacts in series
AC General Information	600	25	3		3			1
Text								
The operating hand	lle and position in	dicating means to be u	sed with these manual mo	otor controllers shou	ıld be provided fror	n the manufactu	urer, or the operatin	g handle and position indicating means
		•	nation with the manual mo					
- When intended for u	use as a motor dis	sconnector the device	shall be provided with a m	ethod of being locke	d in the OFF-positi	on.		
CSA								
Nominal Voltage								
				Voltage (V) AC / D	IC .			
				600 AC				
Rated insulation volt	tage UI			Valtage (V) AC / F	00			
				Voltage (V) AC / D 600 AC				
Rated thermal curren	nt							
		Currei	nt (A)		Ambient temperat	ure (°C) Additio	nal Text	
			25			0 - 40		
Horsepower rating	Otti			V-4 0.0	No of the con-	No of males	D (LID)	A b : b
Across-the-Line Moto DOL	or Starting			Voltage (V) 110 - 120	No. of phases	No. of poles	Power (HP) 1	Ambient temperature [°C <sub>j</sub> 40
DOL				220 - 240	1	2	3	40
DOL				277 - 277	1	2	3	40
DOL				415 - 415	1	2	5	40
DOL				440 - 480	1	2	5	40
DOL				550 - 600	1	2	5	40
DOL DOL				110 - 120 220 - 240	3	3	2 7,50	40
DOL				415 - 415	3	3	7,50	40
DOL				440 - 480	3	3	15	40
DOL				550 - 600	3	3	20	40
Pilot duty rating code	e							
Duty Code								
A600								
Temp. rating of wire		Temperature rating	7 (°C)		Cur	rent (A) Text		
		remperature ruting	75		Our			
General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of pole				No. of contacts in series
AC	277	25	1		1			1
AC AC	600 600	25 25	1 3		3			1
-	-	-			<u> </u>			
GENERAL TECH Tightening torque of		RMATION						
rightening torque or	screws		tiahtenina	torque (Nm)				tightening torque (lb-in)
			tigriteriirig	1,25				11 agriceriing torque (ib iii)
Stripping length								
				Length (mm)				
				9 STRIP	PINGLENGTH			
Size of conductor							(	
Size of conductor	uctor	Min. /	Max. value	No. of cor	nductor per termina	Cross section al (AWG/kcmil)	n (mm²) or	Material of the wire
composition of condu	uctor	Min. /	Max. value	No. of co			n (mm²) or	Material of the wire Copper
composition of condu flexible wire flexible wire			Max. value	No. of co	·	al (AWG/kcmil)	n (mm²) or	
composition of condu flexible wire flexible wire Single-core or strando	led wire	Max. Max. Max.	Max. value	No. of co		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm²	n (mm²) or	Copper Copper Copper
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand-	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper
composition of condu flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slee	led wire led wire	Max. Max. Max.	Max. value	No. of co		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm²	n (mm²) or	Copper Copper Copper
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper
composition of condu flexible wire flexible wire Single-core or strando	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Marking
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Marking
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Marking
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Marking
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Marking
composition of condu flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slee Approbations Specification	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper  Marking
composition of condu flexible wire flexible wire Single-core or strands Single-core or strands flexible wire with slee Approbations Specification  EAC  CE marking	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper  Marking
composition of condu flexible wire flexible wire Single-core or strands Single-core or strands flexible wire with slee Approbations Specification	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Marking
composition of condu flexible wire flexible wire Single-core or strands Single-core or strand- flexible wire with slee Approbations Specification  EAC  CE marking  UK Directives	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Marking
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification  EAC  CE marking  UK Directives	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Marking
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification  EAC  CE marking  UK Directives	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Copper  Limit Comparison of the compariso
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14	led wire led wire	Max. Max. Max. Max.	Max. value	No. of co.		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Marking
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slee Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screv	led wire led wire eve	Max. Max. Max. Max.	Max. value			al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Copper  Marking
composition of condu- flexible wire flexible wire Single-core or strand- flexible wire Single-core or strand- flexible wire with slee- Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screy Type of screw driver	led wire led wire eve	Max. Max. Max. Max.	Max. value	Value		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Copper  Limit Comparison of the compariso
composition of condu- flexible wire flexible wire Single-core or strand- flexible wire Single-core or strand- flexible wire with slee- Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screw Type of screw driver Cross Screwdriver	led wire led wire eve	Max. Max. Max. Max.	Max. value	Value PH2		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Copper  Copper  UKA
composition of condu- flexible wire flexible wire Single-core or strand- Single-core or strand- flexible wire with slex Approbations Specification  EAC  CE marking  UK Directives  CSA C.22.2 No.14  GB/T14048.3  Recommended screy Type of screw driver Cross Screwdriver Slot screwdriver accord	led wire led wire eve	Max. Max. Max. Max.	Max. value	Value		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper
composition of conduction of conduction of conduction of conduction of conduction of conduction of the conduction of conduction	led wire led wire eve	Max. Max. Max. Max.	Max. value	Value PH2		al (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper  Copper  Copper  UKA



#### 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

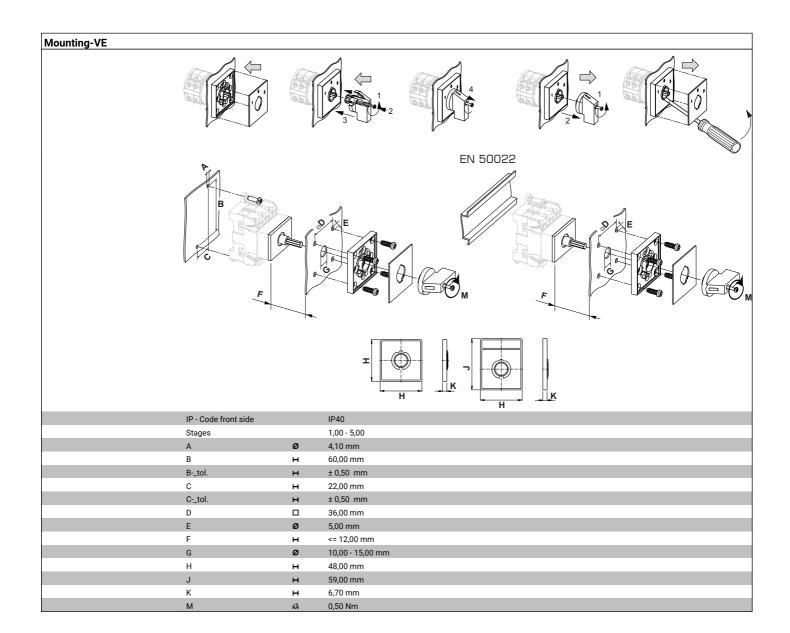
Picture name

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.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver Classification Terminal: Screw terminal





## Wiring diagram KG20A.T303.VE

L1 L2 L3
T1 T2 T3

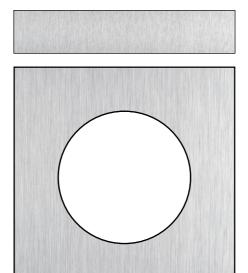


## **Switch program** KG20A.T303.VE

Traus & Naimer								
$\Psi$ Kraus & Na			20A	T303			Page	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 T2	8	10	12	14	16
Total switching Angle 90 270	T1	T2	Т3					
1 0								
90								
180								
							Vers	ion: 102



## Face plate S1.F991/A00.P2B





# 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	17-3, VDE 0660 Tei	il 107			
Nominal Voltage			N/ // 00 40 /00		
			Voltage (V) AC / DC 500 AC		
Rated uninterrupted current	1/lab		690 AC		
Current (A)	Ambient temperature	(°C) Peak temperatur	re (°C) additional requirements		
10	Ambient temperature	55	60 Ambient temperature +55°C dur	ing 24 hours with pooks	sup to ±60°C
16		55	60 Ambient temperature +55°C dur		
Rated operational current le		- 55	oo Ambient temperature 100 0 dur	ing 24 nours with peaks	s up to 100 0
Utilization category		·	Voltag	ne (V)	Current (A)
AC-15				- 240	2,50
AC-15				- 440	1,50
AC-15				500	1
AC-21A				500	10
UL60947-4-1 , UL508	,				·
	5				
Nominal Voltage			V-4 (0) AO (DO		
			Voltage (V) AC / DC 600 AC		
Rated insulation voltage Ui			600 AC		
Rated insulation voltage of			Voltage (V) AC / DC		
			600 AC		
Rated thermal current			000 AC		
Nateu tilerillai current		Current (A)	Amhient temperatur	e (°C) Additional Text	
		10		0-40 -	
Pilot duty rating code				0 10	
Duty Code					
A600					
General Use					
	age (V) Current (A)	No. of phases	No. of poles		No. of contacts in series
AC	600 10	1	1		1
GENERAL TECHNICA	LINEODMATION				
Tightening torque of screws	•	tightening t	earque (Nm)		tightening torque (lb-in)
		tigriteriirig t	0,60		tightening torque (ib-in) 5
Stripping length			0,00		3
Stripping length		1.	ength (mm)		
			6 STRIPPINGLENGTH		
Size of conductor			0 STAILT INGLEINGTT		
OIZE OF CONGRETOR				Cross section (mm²) or	
composition of conductor		Min. / Max. value	No. of conductor per terminal	(AWG/kcmil)	Material of the wire
solid wire		Min.	1	0.5mm²	Copper
solid wire		Min.	2	0.5mm²	Copper
flexible wire		Min.	1	0.75mm²	Copper
flexible wire		Min.	2	0.75mm <sup>2</sup>	Copper
flexible wire		Max.	2	AWG 16	Copper
flexible wire Single-core or stranded wire		Max.	2	1.5mm²	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 to the accepted rules of technology.							
- Use copper wire only. Do not coat the wire end with			3,				
13 21	•						
\' 7							
14 22							