



Sample image

### **Datasheet**

Article number: 70010858

**Designation:** KG20.T103/40.KL51V **Description:** Switch Global Disconnector

Rated insulation voltage	0947-3, VDE 0660 Teil 10 e Ui						
		Volta	ge(V) AC/D	C			
Dotad unintermental	want lu/lth		690 AC				
Rated uninterrupted cur Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional r	equirements			
25	50				during 24 hours w	vith peaks up to +55°C	
Rated operational curre			7 11 11 10 10 11 10 10	inportation of the control of the co	24g 2 1 110410 11	nun pouno up to 100 0	
Utilization category				Vo	Itage (V)		Current (
AC-32A					20 - 400		
Rated operational powe	r						
Utilization category		Voltage (V)	٨	No. of phases		No. of poles	Power (k
AC-3		220 - 240		3		3	-
AC-3 AC-3		380 - 440 660 - 690		3		3	5 <sub>1</sub>
AC-23A		220 - 240		3		3	5, 5,
AC-23A		380 - 440		3		3	7,
AC-23A		660 - 690		3		3	7,
Max Fuse Rating IEC							
Fuse characteristic					No. of Fu	ses	Current
gG						1	
UL60947-4-1, UL	508						
Nominal Voltage							
		Volta	ge (V) AC / D	C			
			600 AC				
Rated insulation voltage	e Ui						
		Volta	ge(V) AC/D	IC			
D-414b1			600 AC				
Rated thermal current	Cur	ront (A)		Ambient tempera	turo (°C) Additio	nol Toyt	
	Cui	rent (A) 25		Ambient tempera	0 - 40	nai rext	
Horsepower rating		20			0 40		
Across-the-Line Motor St	tarting		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [
DOL	·		110 - 120	1	2	1	· ·
DOL			220 - 240	1	2	3	
DOL			277 - 277	1	2	3	
DOL			415 - 415	1	2	5	
DOL			440 - 480	1	2	5	
			550 - 600	1	2	5	
DOL			440 400				
DOL DOL			110 - 120	3		2	
DOL DOL DOL			200 - 240	3	3	7,50	
DOL DOL DOL DOL			200 - 240 415 - 415	3	3	7,50 10	
DOL DOL DOL DOL DOL			200 - 240 415 - 415 440 - 480	3 3 3	3 3 3	7,50 10 15	
DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code			200 - 240 415 - 415	3	3	7,50 10	
DOL			200 - 240 415 - 415 440 - 480	3 3 3	3 3 3	7,50 10 15	
DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600			200 - 240 415 - 415 440 - 480	3 3 3	3 3 3	7,50 10 15	
DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating			200 - 240 415 - 415 440 - 480	3 3 3	3 3 3	7,50 10 15	
DOL DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil	lity		200 - 240 415 - 415 440 - 480 550 - 600	3 3 3 3	3 3 3 3	7,50 10 15 20	
DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable for	ity or use on circuits capable of delive	ring not more than 10kA rms symm	200 - 240 415 - 415 440 - 480 550 - 600	3 3 3 3	3 3 3 3	7,50 10 15 20 by Type RK1 fuses.	
DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable fc Suitable for use on a circ	ity or use on circuits capable of delive	ring not more than 10kA rms symm than 65000 rms symmetrical ampe	200 - 240 415 - 415 440 - 480 550 - 600	3 3 3 3	3 3 3 3	7,50 10 15 20 by Type RK1 fuses.	
DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable for	ity or use on circuits capable of delive cuit capable of delivering not more	than 65000 rms symmetrical ampe	200 - 240 415 - 415 440 - 480 550 - 600	3 3 3 3 3 res, 600V ac max.	3 3 3 3 3 when protected I	7,50 10 15 20 by Type RK1 fuses.	
DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable fc Suitable for use on a circ	ity or use on circuits capable of delive	than 65000 rms symmetrical ampeing (°C)	200 - 240 415 - 415 440 - 480 550 - 600	3 3 3 3 3 res, 600V ac max.	3 3 3 3	7,50 10 15 20 by Type RK1 fuses.	
DOL DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable fo Suitable for use on a circ Temp. rating of wire	ity or use on circuits capable of delive cuit capable of delivering not more	than 65000 rms symmetrical ampe	200 - 240 415 - 415 440 - 480 550 - 600	3 3 3 3 3 res, 600V ac max.	3 3 3 3 3 when protected ted by 40A Class	7,50 10 15 20 by Type RK1 fuses.	
DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable fo Suitable for use on a circ Temp. rating of wire General Use	ity or use on circuits capable of delive cuit capable of delivering not more Temperature ra	than 65000 rms symmetrical ampeing (°C)	200 - 240 415 - 415 440 - 480 550 - 600	a 3 3 3 3 3 3 3 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 3 3 3 3 when protected ted by 40A Class	7,50 10 15 20 by Type RK1 fuses.	
DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable fo Suitable for use on a circ Temp. rating of wire  General Use	ity or use on circuits capable of delive cuit capable of delivering not more Temperature ra	than 65000 rms symmetrical ampe ing (°C) 60 - 75	200 - 240 415 - 415 440 - 480 550 - 600 metrical ampeteres at 600V r	a 3 3 3 3 3 3 3 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 3 3 3 3 when protected ted by 40A Class	7,50 10 15 20 by Type RK1 fuses.	
DOL DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptabil This device is suitable for Suitable for use on a circ Temp. rating of wire  General Use AC / DC	ity or use on circuits capable of delive cuit capable of delivering not more Temperature ra  Voltage (V) Current (A)	e than 65000 rms symmetrical ampeing (°C) 60 - 75 No. of phases	200 - 240 415 - 415 440 - 480 550 - 600 etrical ampereres at 600V r	a 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4	3 3 3 3 3 when protected ted by 40A Class	7,50 10 15 20 by Type RK1 fuses.	
DOL	or use on circuits capable of delivering not more transported by the court capable of delivering not more transported by the court capable of delivering not more transported by the court capable of delivering range (V)  Voltage (V) Current (A)  277 25	than 65000 rms symmetrical ampeing (°C) 60 - 75 No. of phases	200 - 240 415 - 415 440 - 480 550 - 600 metrical ampereres at 600V r	a 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4	3 3 3 3 3 when protected ted by 40A Class	7,50 10 15 20 by Type RK1 fuses.	
DOL	or use on circuits capable of delivering not more active to the control of the co	than 65000 rms symmetrical ampering (°C) 60 - 75 No. of phases 1	200 - 240 415 - 415 440 - 480 550 - 600 metrical ampereres at 600V r	res, 600V ac max. max., when protec	3 3 3 3 3 when protected ted by 40A Class	7,50 10 15 20 by Type RK1 fuses.	



General Information Text						
- When intended for use as a motor disconnector the	device shall be provided wit	th a method of boing looks	ad in the OFF-position	n		
	device silali be provided wii	tir a method or being locke	ed in the OFF-positio	111.		
CSA						
Nominal Voltage		Voltage (V) AC / L	20			
		600 AC	00			
Rated insulation voltage Ui		000 710				
		Voltage (V) AC / E	DC .			
		600 AC				
Rated thermal current						
	Current (A)		Ambient temperatu		nal Text	
Have an average making	25			0 - 40		
Horsepower rating Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [
DOL		110 - 120	1 1	2	1 ower (111)	Ambient temperature [
DOL		220 - 240	1	2	3	
DOL		277 - 277	1	2	3	
DOL		415 - 415	1	2	5	
DOL		440 - 480	1	2	5	
DOL		550 - 600	1	2	5	
DOL DOL		110 - 120 220 - 240	3	3	2 7,50	
DOL		415 - 415	3	3	7,50 10	
DOL		440 - 480	3	3	15	
DOL		550 - 600	3	3	20	
Pilot duty rating code						
Duty Code						
A600						
Temp. rating of wire	ro rating (°C)		0	ont (A) Toyt		
r emperatur	re rating (°C) 75		Curr	ent (A) Text		
General Use	75					
AC / DC Voltage (V) Current (A)	No. of phase	es No. of pole	es			No. of contacts in ser
AC 277 25			1			
AC 600 25			2			
AC 600 25		3	3			
GENERAL TECHNICAL INFORMATION						
Size of conductor						
	Min (Man malm	Nf		Cross section	n (mm²) or	Adada at all a Edha a catar
composition of conductor	Min. / Max. value	No. of co	onductor per termina	I (AWG/kcmil)	n (mm²) or	Material of the wire
solid wire	Min.	No. of co	1	I (AWG/kcmil) 0.75mm²	n (mm²) or	Copper
solid wire solid wire	Min. Min.	No. of co	1	(AWG/kcmil) 0.75mm² 0.5mm²	n (mm²) or	Copper Copper
solid wire	Min.	No. of co	1 2 2	I (AWG/kcmil) 0.75mm²	n (mm²) or	Copper
solid wire solid wire flexible wire	Min. Min. Min.	No. of co	1 2 2 1	1 (AWG/kcmil) 0.75mm <sup>2</sup> 2 0.5mm <sup>2</sup> 2 0.75mm <sup>2</sup>	n (mm²) or	Copper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire	Min. Min. Min. Max. Max. Min.	No. of co	1 2 2 1 1 1	/ (AWG/kcmil) 0.75mm <sup>2</sup> 0.5mm <sup>2</sup> 0.75mm <sup>2</sup> AWG 10 4mm <sup>2</sup> 1.5mm <sup>2</sup>	n (mm²) or	Copper Copper Copper Copper Copper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire solid wire flexible wire Single-core or stranded wire	Min. Min. Min. Max. Max. Min. Max.	No. of co	1 2 2 1 1 1 1	<ul> <li>I (AWG/kcmil)</li> <li>0.75mm²</li> <li>0.5mm²</li> <li>0.75mm²</li> <li>0.75mm²</li> <li>AWG 10</li> <li>4mm²</li> <li>1.5mm²</li> <li>6mm²</li> </ul>	n (mm²) or	Copper Copper Copper Copper Copper Copper Copper Copper Copper
solid wire solid wire flexible wire flexible wire flexible wire flexible wire Single-core or stranded wire Single-core or stranded wire	Min. Min. Max. Max. Min. Max. Max. Min. Max. Max.	No. of co	1 2 2 1 1 1 1 1	<ul> <li>I (AWG/kcmil)</li> <li>0.75mm²</li> <li>0.5mm²</li> <li>0.75mm²</li> <li>0.75mm²</li> <li>AWG 10</li> <li>4mm²</li> <li>1.5mm²</li> <li>6mm²</li> <li>AWG 10</li> </ul>	n (mm²) or	Copper
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	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Max.	No. of co	1 2 2 1 1 1 1 1	// (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm²	n (mm²) or	Copper
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. Min. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Max. Min. Max.	No. of co	1 2 2 1 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
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. Min. Min. Max. Max. Min. Max. Min. Max. Max. Max.	No. of co	1 2 2 1 1 1 1 1 1	// (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm²	n (mm²) or	Copper
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. Min. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Max. Min. Max.	No. of co	1 2 2 1 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
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. Min. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Max. Min. Max.		1 2 2 1 1 1 1 1 1	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
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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 Stripping length  Recommended screw driver	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Max. Min. Max.	Length (mm) 9 L	1 2 2 1 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
solid wire solid wire flexible 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 Stripping length  Recommended screw driver Type of screw driver	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Max. Min. Max.	Length (mm) 9Value	1 2 2 1 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Max. Min. Max.	Length (mm) 9 Value PH2	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264	Min. Min. Min. Max. Max. Min. Max. Min. Max. Max. Min. Max. Max. Min. Max.	Length (mm) 9Value	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper
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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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper topper Copper topper Copper topper Copper
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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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper topper Copper Market
solid wire solid wire flexible 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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper topper Copper Market
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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper Mark
solid wire solid wire flexible 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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper Mark
solid wire solid wire flexible 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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper topper Copper Market
solid wire solid wire flexible 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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification  EAC	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper Mark
solid wire solid wire flexible 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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification  EAC	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper Mark
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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification  EAC  CE marking	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper Co
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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification  EAC  CE marking  UK Directives	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper Co
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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 Stripping length  Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws  Approbations Specification  EAC  CE marking  UK Directives	Min. Min. Min. Max. Max. Min. Max. Max. Min. Max. Min. Min. Min. Min.	Length (mm) 9 Value PH2 0,8x4	1 2 2 1 1 1 1 1 1 2	I (AWG/kcmil) 0.75mm² 2 0.5mm² 2 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm²	n (mm²) or	Copper Co

#### 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)

Z

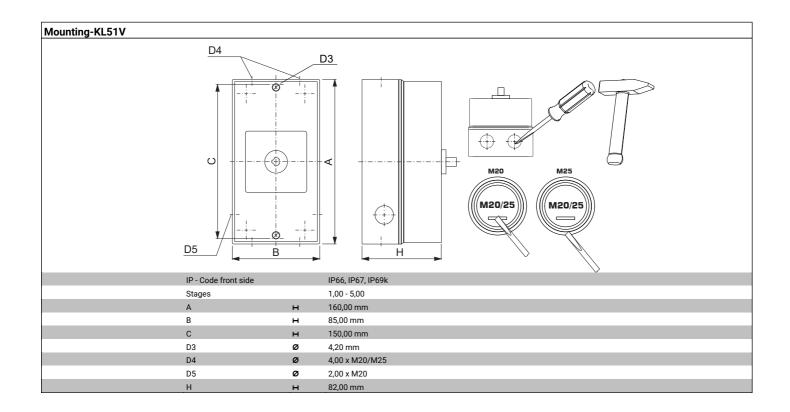
Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices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





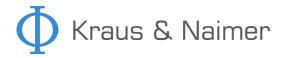
# Wiring diagram KG20.T303.KL51V

L1 L2 L3	
T1 T2 T3	

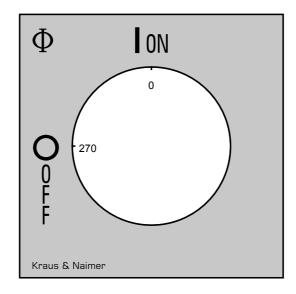


# Switch program KG20.T303.KL51V

1 90 180 1gle Lg Angle 0		L1 1 1 2 T1	KG2   L2   3	L3 5	7	9	11	13	1 of 1
180 180 g Angle	90 90	1	3 \ \ \ \ 4	, I	7	9	11	13	15
lle Lg Angle	90 90	2	4	\					
lle g Angle	90			 					
g Angle	90								
			T2	6 T3	8	10	12	14	16
1	0								
	90								
	180								
	1	90	90	90	90	90	90	90	90



# Face plate s1.F656/C10.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

Nominal Voltago	Геіl 107		
Nominal Voltage		Voltage (V) AC / DC	
		500 AC	
		690 AC	
Rated uninterrupted current lu/lth			
Current (A) Ambient temperat	rure (°C) Peak temperatur	re (°C) additional requirements	
10	55	60 Ambient temperature +55°C during 24 hours with peaks up to	+60°C
16	55	60 Ambient temperature +55°C during 24 hours with peaks up to	+60°C
tated operational current le			
Itilization category		Voltage (V)	Current
.C-15		110 - 240	2,
AC-15		380 - 440	1,
AC-15 AC-21A		500 500	
		500	
JL60947-4-1 , UL508			
Iominal Voltage			
		Voltage (V) AC / DC	
had discorded as so to		600 AC	
Rated insulation voltage Ui		Voltage (V) AC / DC	
		Voltage (V) AC / DC 600 AC	
lated thermal current		000 AC	
tated thermal current	Current (A)	Ambient temperature (°C) Additional Text	
	10	0 - 40	
Pilot duty rating code			
General Use         Voltage (V)         Current (           AC / DC         Voltage (V)         Current (           AC         600	10 1	No. of poles	No. of contacts in ser
	10 1	•	No. of contacts in seri
General Use  IC / DC Voltage (V) Current ( IC 600  SENERAL TECHNICAL INFORMATION ( Size of conductor	10 1 <b>N</b>	1  Cross section (mm²) or	
General Use IC / DC Voltage (V) Current (IC) IC 600  GENERAL TECHNICAL INFORMATION (IZ) Ize of conductor  omposition of conductor	10 1 N Min. / Max. value	Toss section (mm²) or No. of conductor per terminal (AWG/kcmil)	Material of the wire
Reneral Use C / DC Voltage (V) Current (C) C 600  SENERAL TECHNICAL INFORMATION (C) Dize of conductor Composition of conductor Colid wire	10 1  Min. / Max. value Min.	. 1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²	Material of the wire Copper
General Use  IC / DC Voltage (V) Current (IC)  IC 600  GENERAL TECHNICAL INFORMATION  Gize of conductor  omposition of conductor  olid wire  olid wire	Min. / Max. value Min. Min.	Torss section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²	Material of the wire Copper Copper
General Use  IC / DC Voltage (V) Current (IC)  GENERAL TECHNICAL INFORMATION  Gize of conductor  composition of conductor  olid wire  olid wire  lexible wire	Min. / Max. value Min. Min. Min. Min.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²	Material of the wire Copper Copper Copper
Seneral Use  IC / DC Voltage (V) Current ( IC 600  SENERAL TECHNICAL INFORMATION ( Size of conductor ( Siz	Min. / Max. value Min. Min. Min. Min. Min. Min. Min.	Cross section (mm²) or No. of conductor per terminal (AWG/kcmil)  1 0.5mm² 2 0.5mm² 1 0.75mm² 2 0.75mm²	Material of the wire Copper Copper Copper Copper
General Use  IC / DC Voltage (V) Current (IC)  IC 600  GENERAL TECHNICAL INFORMATION  GENERAL TECHNICAL INFORMATION  GENERAL TECHNICAL INFORMATION  GENERAL TECHNICAL INFORMATION  GIZ OF CONTROL OF CONTROL  GIZ OF CONTROL  GENERAL TECHNICAL INFORMATION  GIZ OF CONTROL  G	Min. / Max. value Min. Min. Min. Min. Min. Min. Min. Max.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16	Material of the wire Copper Copper Copper Copper Copper Copper
General Use  IC / DC Voltage (V) Current (IC)  GENERAL TECHNICAL INFORMATION  GENERAL TECHNICAL INFORMATION  GENERAL TECHNICAL INFORMATION  GIVEN OF A CONTROL OF	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16 2 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper
General Use  IC / DC Voltage (V) Current (IC)  GENERAL TECHNICAL INFORMATION  Gize of conductor  Composition of conductor  Colid wire  Cexible wire  Lexible wire	Min. / Max. value Min. Min. Min. Min. Min. Min. Min. Max.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16	Material of the wire Copper Copper Copper Copper Copper Copper
General Use         Voltage (V)         Current (V)           AC / DC         Voltage (V)         Current (V)           AC 600         600         GENERAL TECHNICAL INFORMATION	Min. / Max. value Min. Min. Min. Min. Min. Min. Min. Max. Max. Max.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16  2 1.5mm²  2 AWG 14	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper
Seneral Use  IC / DC Voltage (V) Current ( IC 600  SENERAL TECHNICAL INFORMATION Size of conductor  Composition of conductor colid wire elexible wire lexible wire lexible wire lexible wire lexible wire lexible wire lexible work ingle-core or stranded wire single-core or stranded wire lexible-core or stranded wire single-core or stranded wire	Min. / Max. value Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16  2 1.5mm²  2 AWG 14  2 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper
GENERAL TECHNICAL INFORMATION	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max	1  Cross section (mm²) or (AWG/kcmil)  1 0.5mm² 2 0.5mm² 1 0.75mm² 2 0.75mm² 2 AWG 16 2 1.5mm² 2 AWG 14 2 1.5mm² 2 1mm²	Material of the wire Copper
Reneral Use  C / DC Voltage (V) Current (C)  C 600  SENERAL TECHNICAL INFORMATION (C)  Dize of conductor (C)  Composition of conductor (C)  Colid wire (C)  Co	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. Min. Min. Min.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16  2 1.5mm²  2 AWG 14  2 1.5mm²  2 1mm²  1 0.5mm²  2 0.5mm²	Material of the wire Copper
GENERAL TECHNICAL INFORMATION  GIZE of conductor  Official wire  Jewible wire with ferrule according to DIN 46228  Jewible wire with ferrule according to DIN 46228  Jewible wire with ferrule according to DIN 46228	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. Min. Min. Min.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm² 2 0.5mm² 1 0.75mm² 2 0.75mm² 2 AWG 16 2 1.5mm² 2 AWG 14 2 1.5mm² 2 1.5mm² 2 1.5mm² 1 0.5mm²	Material of the wire Copper
Seneral Use  IC / DC Voltage (V) Current ( IC 600  SENERAL TECHNICAL INFORMATION Size of conductor  Composition of conductor  Colid wire  Cleavible wire  Lexible wire with ferrule according to DIN 46228	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. Min. Min. Min.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16  2 1.5mm²  2 AWG 14  2 1.5mm²  2 1mm²  1 0.5mm²  2 0.5mm²	Material of the wire Copper
SENERAL TECHNICAL INFORMATION SIZE of conductor  omposition of conductor  olid wire  exible wire with ferrule according to DIN 46228  exible mire with ferrule according to DIN 46228  exipping length	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. Min. Min. Min.	1  Cross section (mm²) or (AWG/kcmil)  1 0.5mm² 2 0.5mm² 1 0.75mm² 2 0.75mm² 2 1.5mm² 2 AWG 16 2 1.5mm² 2 AWG 14 2 1.5mm² 2 1mm² 1 0.5mm² 2 0.5mm²	Material of the wire Copper
Reneral Use  C / DC Voltage (V) Current ( C 600  SENERAL TECHNICAL INFORMATION ize of conductor  omposition of conductor  olid wire  olid wire  exible wire  ingle-core or stranded wire  ingle-core or stranded wire  exible wire with ferrule according to DIN 46228  exible wire with ferrule according to DIN 46228  exible wire with ferrule according to DIN 46228  exipping length	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. Min. Min. Min.	1  Cross section (mm²) or (AWG/kcmil)  1 0.5mm² 2 0.5mm² 1 0.75mm² 2 0.75mm² 2 1.5mm² 2 AWG 16 2 1.5mm² 2 AWG 14 2 1.5mm² 2 1mm² 1 0.5mm² 2 0.5mm²	Material of the wire Copper
SENERAL TECHNICAL INFORMATION (Ize of conductor of conduc	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. Min. Min. Min.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm² 2 0.5mm² 1 0.75mm² 2 0.75mm² 2 1.5mm² 2 AWG 16 2 1.5mm² 2 AWG 14 2 1.5mm² 1 0.5mm² 2 1mm² 1 0.5mm² 2 0.5mm² 1 0.5mm² 2 0.5mm²	Material of the wire Copper
GENERAL TECHNICAL INFORMATION GENERAL TECHNICAL INFORMATION GIZE of conductor  Composition of conductor  Colid wire  Clexible wire  Lexible wire with ferrule according to DIN 46228  Lexible wire with ferrule according to DIN 46228  Lexible wire with ferrule according to DIN 46228	Min. / Max. value Min. Min. Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. Min. Min. Min.	1  Cross section (mm²) or  No. of conductor per terminal (AWG/kcmil)  1 0.5mm²  2 0.5mm²  1 0.75mm²  2 0.75mm²  2 AWG 16  2 1.5mm²  2 AWG 14  2 1.5mm²  1 0.5mm²  2 1mm²  2 1.5mm²  2 1mm²  1 0.5mm²  2 1.5mm²  2 1 mm²	Material of the wire Copper



# 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. 13 21