



Sample image

Datasheet

Article number: 70010033 Designation: KG20B.T203/01.E

Description: Switch Global Disconnector

Rated insulation voltage Ui	İ						
	•	Volta	ge (V) AC / D	С			
			690 AC				
Rated uninterrupted curren							
Current (A)	Ambient temperature (°C)	Peak temperature (°C			-li		
25	50	55	Ambient ten	nperature +50°C	during 24 hours v	vith peaks up to +55°C	
Rated operational current le Utilization category	le			Vo	Itage (V)		Current (A
AC-32A					20 - 400		2 Current
Rated operational power					20 400		
Utilization category		Voltage (V)	N	o. of phases		No. of poles	Power (kV
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		Current (
gG						1	3
UL60947-4-1, UL50	08						
Nominal Voltage							
		Volta	ge (V) AC / D	С			
			600 AC				
Rated insulation voltage Ui	i						
		Volta	ge (V) AC / D	С			
B . I.I. I			600 AC				
Rated thermal current		. (4)			(00) 4 11:::	· - ·	
	Curren			Ambient tempera	oture (*C) Additio 0 - 40	onal Text	
Horsepower rating		25			0 - 40		
Across-the-Line Motor Start			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°
	tina					7 01101 (1117)	
	ting			1	2	1	
DOL	ting		110 - 120		2 2	1 3	4
DOL DOL	ting		110 - 120 220 - 240	1	2	3	4
DOL DOL DOL	ting		110 - 120	1			4
DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277	1 1 1	2 2	3	4 4 4 4
DOL DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415	1 1 1 1	2 2 2	3 3 5	4 4 4 4 4
DOL DOL DOL DOL DOL DOL	ting		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480	1 1 1 1 1	2 2 2 2	3 3 5 5	4 4 4 4 4
DOL	ting		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 3 3	3 3 5 5 5 2 7,50	4 4 4 4 4 4
DOL	ting		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	2 2 2 2 2 2 3 3 3	3 3 5 5 5 2 7,50	4 4 4 4 4 4 4
DOL	ting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	4 4 4 4 4 4 4 4
DOL	iting		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	2 2 2 2 2 2 3 3 3	3 3 5 5 5 2 7,50	4 4 4 4 4 4 4
DOL	iting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	4 4 4 4 4 4 4 4
DOL	iting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	2 2 2 2 2 2 2 2
DOL	ting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	
DOL	iting		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 3 3 3 3	3 3 5 5 5 2 7,50 10	
DOL		not more than 1014 me.	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	2 2 2 2 2 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	
DOL	use on circuits capable of deliverin		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 3 3 3 3 3 3	2 2 2 2 2 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL			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 3 3 3 3 3 3	2 2 2 2 2 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of deliverin t capable of delivering not more th	an 65000 rms symmetrical amp	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	2 2 2 2 2 2 3 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating	an 65000 rms symmetrical amp	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	2 2 2 2 2 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	2 2 2 2 2 2 2 2
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating	an 65000 rms symmetrical amp	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	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating 60	an 65000 rms symmetrical amp (°C) - 75	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	es, 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	3 3 5 5 5 2 7,50 10 15 20	
DOL	use on circuits capable of delivering t capable of delivering not more the Temperature rating 60	an 65000 rms symmetrical amp	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	es, 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	3 3 5 5 5 2 7,50 10 15 20	
DOL	use on circuits capable of deliverin t capable of delivering not more th Temperature rating 60	an 65000 rms symmetrical amp (°C) -75 No. of phases	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	es, 600V ac max.nax., when protects	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 5 5 5 2 7,50 10 15 20	4 4 4 4 4 4 4 4
DOL	use on circuits capable of delivering t capable of delivering not more the Temperature rating 60 (tage (V) Current (A) 277 25	an 65000 rms symmetrical amp (°C) - 75 No. of phases 1	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 1 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	3 3 5 5 5 2 7,50 10 15 20	

- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.



General Information	<u> </u>									
Text										
	use as a motor dis	connector the	device shall be	provided with a i	method of being locke	ed in the OFF-posi	tion.			
CSA										
Nominal Voltage					Voltage (V) AC / I					
					600 AC	50				
Rated insulation volt	tage Ui									
					Voltage (V) AC / L	DC				
Rated thermal curre	nt				600 AC					
			Current (A)			Ambient tempera	ature (°C) Additio	nal Text		
			25				0 - 40			
Horsepower rating Across-the-Line Moto	or Starting				Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient tempera	aturo [°C]
DOL	or Starting				110 - 120	1 1	2	1	Ambient tempera	40
DOL					220 - 240	1	2	3		40
DOL					277 - 277	1	2	3		40
DOL DOL					415 - 415 440 - 480	1	2 2	5 5		40 40
DOL					550 - 600	1	2	5		40
DOL					110 - 120	3	3	2		40
DOL					220 - 240	3	3	7,50		40
DOL DOL					415 - 415 440 - 480	3	3	10 15		40 40
DOL					550 - 600	3	3	20		40
Pilot duty rating cod	le									
Duty Code										
A600 Temp. rating of wire	<u> </u>									
remp. rading of wire		Temperatur	re rating (°C)			Ci	urrent (A) Text			
		,	75							
General Use										
AC / DC AC	Voltage (V) 277	Current (A) 25	^	No. of phases	No. of pol				No. of contacts	in series
AC	600	25		1		1				1
AC	600	25		3		3				1
GENERAL TECH	INICAL INFOR	ΡΜΑΤΙΩΝ								
Size of conductor	INIOAL INI OF	WALIOIA								
Size of conductor		WAITON	Min / May va	lue	No. of co	anductor per termi	Cross section	n (mm²) or	Material of the wire	
		MAIIVI	Min. / Max. va Max.	lue	No. of co	onductor per termi	Cross section nal (AWG/kcmil) 1 AWG 10	n (mm²) or	Material of the wire Copper	
Size of conductor composition of conduction flexible wire flexible wire	luctor	WIN HON	Max. Max.	lue	No. of co	onductor per termi	nal (AWG/kcmil) 1 AWG 10 1 4mm²	n (mm²) or	Copper Copper	
Size of conductor composition of conductor flexible wire flexible wire Single-core or strand	luctor ded wire	WINTION	Max. Max. Max.	lue	No. of co	onductor per termi	nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm²	n (mm²) or	Copper Copper Copper	
Size of conductor composition of conditional flexible wire flexible wire Single-core or strand Single-core or strand	luctor ded wire ded wire	WIFT HON	Max. Max. Max. Max.	lue	No. of co	onductor per termi.	nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper	
Size of conductor composition of cond flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slee	luctor ded wire ded wire	WIE HON	Max. Max. Max.	lue	No. of co	onductor per termi	nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm²	n (mm²) or	Copper Copper Copper	
Size of conductor composition of conditional flexible wire flexible wire Single-core or strand Single-core or strand	luctor ded wire ded wire	WITT HON	Max. Max. Max. Max.	lue	No. of co	onductor per termi	nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper	
Size of conductor composition of cond flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slee	luctor ded wire ded wire	WITH LIVIN	Max. Max. Max. Max.	lue		onductor per termi	nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper	
Size of conductor composition of condificatible wire flexible wire Single-core or strand flexible wire with slee Stripping length	luctor ded wire ded wire eve	WILLIAM	Max. Max. Max. Max.	lue		onductor per termi	nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper	
Size of conductor composition of condificatible wire flexible wire Single-core or strand flexible wire with sler Stripping length Recommended screen	luctor ded wire ded wire eve	WILLIAM	Max. Max. Max. Max.	lue	Length (mm) 9		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper	
Size of conductor composition of cond flexible wire flexible wire Single-core or strand flexible wire with slex Stripping length Recommended scree Type of screw driver	luctor ded wire ded wire eve	WITCH TON	Max. Max. Max. Max.	lue	Length (mm) -		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper	
Size of conductor composition of condificatible wire flexible wire Single-core or strand flexible wire with sler Stripping length Recommended screen	ded wire ded wire eve eve		Max. Max. Max. Max.	lue	Length (mm) 9Value		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper	
Size of conductor composition of condificatible wire flexible wire Single-core or strand Single-core or strand flexible wire with slei Stripping length Recommended scree Type of screw driver Cross Screwdriver	ded wire ded wire eve w driver		Max. Max. Max. Max.		Length (mm) 9		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper	
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Size of conductor composition of condificatible wire flexible wire Single-core or strand flexible wire with slei Stripping length Recommended screi Type of screw driver Cross Screwdriver Slot screwdriver aco: Tightening torque of	ded wire ded wire eve w driver		Max. Max. Max. Max.		Length (mm) 9		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper	ue (<i>lb-in</i>)
Size of conductor composition of condificatible wire flexible wire Single-core or strand Single-core or strand flexible wire with slet Stripping length Recommended scree Type of screw driver Cross Screwdriver Slot screwdriver according to the strand screen from the screen flexible wire with slet Stripping length	ded wire ded wire eve w driver		Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	, ,
Size of conductor composition of condificatible wire flexible wire Single-core or strand flexible wire with slet Stripping length Recommended scree Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of	ded wire ded wire eve w driver		Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	11 Marking
Size of conductor composition of condificatible wire flexible wire Single-core or strand flexible wire with slet Stripping length Recommended scree Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of	ded wire ded wire eve w driver		Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	11 Marking
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Size of conductor composition of condificatible wire flexible wire Single-core or strand Single-core or strand flexible wire with slei Stripping length Recommended screi Type of screw driver Cross Screwdriver Slot screwdriver aco Tightening torque of Approbations Specification	ded wire ded wire eve w driver		Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	Marking
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Size of conductor composition of cond flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slex Stripping length Recommended scree Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver acc Tightening torque of Approbations Specification EAC CE marking UK Directives	ded wire ded wire eve		Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	Marking EHL CE
Size of conductor composition of condificatible wire flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with sleit Stripping length Recommended screit Type of screw driver Cross Screwdriver Slot screwdriver acco Tightening torque of Approbations Specification EAC CE marking UK Directives CSA C.22.2 No.14 GB/T14048.3 General Information	ded wire ded wire eve w driver ording to DIN 5264 f screws		Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	Marking IM CE UKA ©®
Size of conductor composition of condificatible wire flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slex Stripping length Recommended scree Type of screw driver Cross Screwdriver Slot screwdriver acc Tightening torque of Approbations Specification EAC CE marking UK Directives CSA C.22.2 No.14 GB/T14048.3 General Information Text	ded wire ded wire eve w driver	4	Max. Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	Marking IM CE UKA ©®
Size of conductor composition of condificatible wire flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slex Stripping length Recommended scree Type of screw driver Cross Screwdriver Slot screwdriver acc Tightening torque of Approbations Specification EAC CE marking UK Directives CSA C.22.2 No.14 GB/T14048.3 General Information Text - EMC Note: This dev	ded wire ded wire eve w driver ording to DIN 5264 f screws	4	Max. Max. Max. Max. Max.		Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10	n (mm²) or	Copper Copper Copper Copper Copper Copper	Marking IM CE UKA ©®
Size of conductor composition of condificatible wire flexible wire flexible wire Single-core or strand Single-core or strand flexible wire with slex Stripping length Recommended scree Type of screw driver Cross Screwdriver Cross Screwdriver Slot screwdriver acc Tightening torque of Approbations Specification EAC CE marking UK Directives CSA C.22.2 No.14 GB/T14048.3 General Information Text - EMC Note: This dev - Do not lubricate or of	ded wire ded wire eve w driver ording to DIN 5264 f screws	4 use in environn	Max. Max. Max. Max. Max. Max.	tightenin	Value PH2 0,8x4 ng torque (Nm)		nal (AWG/kcmil) 1 AWG 10 1 4mm² 1 6mm² 1 AWG 10 1 4Wm²	n (mm²) or	Copper Copper Copper Copper Copper Copper	Marking IM CE UKA ©®



General Information

Text

- 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

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

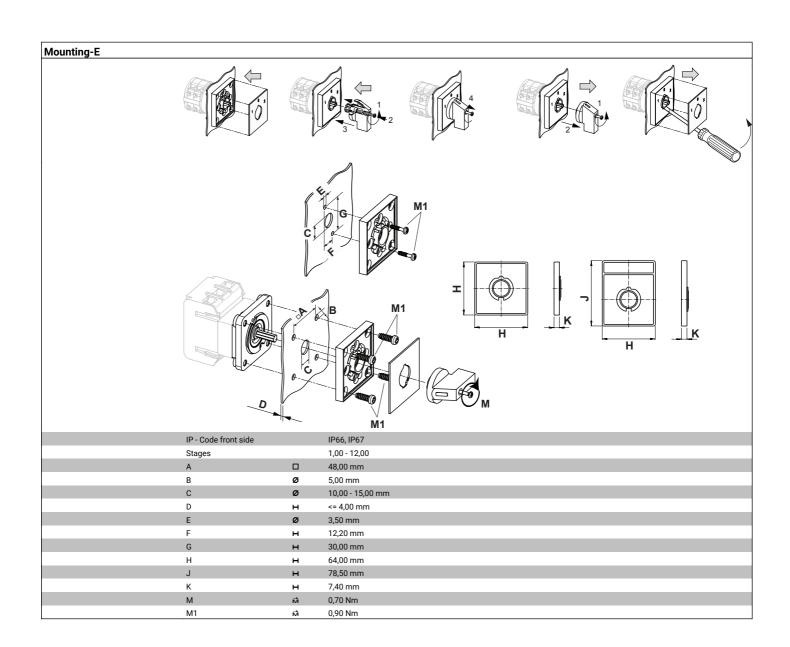
Description

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 KG20B.T303.E

L1 L2 L3
T1 T2 T3

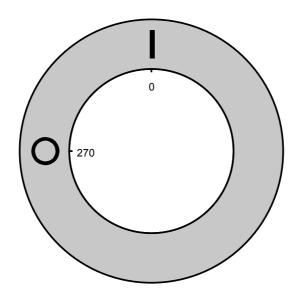


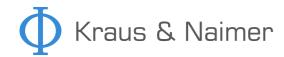
Switch program KG20B.T303.E

\mathbf{A}_{1}								
Mraus & N	KG2	KG20B T303		Page			1 of 1	
Face Plate								
1	L1 1	12 3	L3 5	7	9	11	13	15
0 270 90	\	\	\					
Switching Angle 90 Total switching Angle 90	2 T1	4 T2	6 T3	8	10	12	14	16
	270	14	"					
				1				
1	0							
				ļ				
	90			<u> </u>				
				1				
	180			<u> </u>				
				1				



Face plate s1.F456/C10.V11H













Sample image

PADLOCK DEVICE

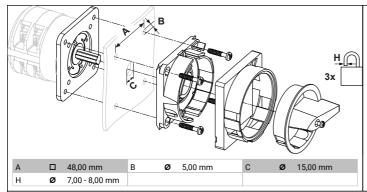
with F-handle ring

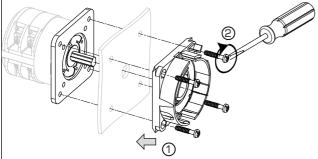
Designation: S1.V840G/D61/A2 Colour of F-handle ring: "D" red Colour of face ring: "6" yellow Locking position: "1" at 270° (1x90°)

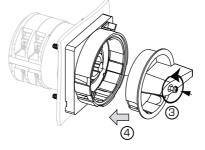
Type of mounting: "A" for type of mounting E **Type of mounting:** "A" for type of mounting GK

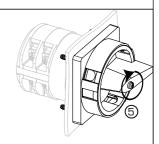
(Rose)

Switch type: "2" for KA-, KG- and KH(R)-switches









MOUNTING

- $1 + 2 \, \text{The}$ padlock device has to be mounted by four cylinder head screws from the front.
- 3 Loosen the screw and
- 4 Push it into the handle onto the shaft
- 5 Fasten the screw.



