



Sample image

## Datasheet

**Article number:** 70009970

**Designation:** KG64B.T203/09.VE

**Description:** Switchgear

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
<b>Rated insulation voltage Ui</b>						
Voltage (V) AC / DC						
690 50/60Hz						
<b>Rated uninterrupted current Iu/Ith</b>						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
63	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C			
<b>Rated operational current Ie</b>						
Utilization category					Voltage (V)	Current (A)
AC-32A					20 - 400	63
<b>Rated operational power</b>						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3	220 - 240	3	3	11		
AC-3	380 - 440	3	3	18,50		
AC-3	660 - 690	3	3	15		
AC-23A	220 - 240	3	3	11		
AC-23A	380 - 440	3	3	22		
AC-23A	660 - 690	3	3	18,50		
<b>Max. Fuse rating IEC</b>						
Fuse characteristic					No. of Fuses	Current (A)
gG					1	63
<b>UL60947-4-1 , UL508</b>						
<b>Nominal Voltage</b>						
Voltage (V) AC / DC						
600 AC						
<b>Rated insulation voltage Ui</b>						
Voltage (V) AC / DC						
600 AC						
<b>Rated thermal current</b>						
Current (A)		Ambient temperature (°C)		Additional Text		
60		0 - 40		--		
<b>Horsepower rating</b>						
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]	
DOL	110 - 120	1	2	3	40	
DOL	220 - 240	1	2	7,50	40	
DOL	277 - 277	1	2	7,50	40	
DOL	415 - 415	1	2	10	40	
DOL	440 - 480	1	2	15	40	
DOL	550 - 600	1	2	15	40	
DOL	110 - 120	3	3	5	40	
DOL	220 - 240	3	3	15	40	
DOL	415 - 415	3	3	20	40	
DOL	440 - 480	3	3	30	40	
DOL	550 - 600	3	3	40	40	
<b>SCCR / Max. fuse rating</b>						
<i>Conditions of acceptability</i>						
This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses.						
Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by 70A Class J fuses.						
<b>Temp. rating of wire</b>						
Temperature rating (°C)			Current (A)		Text	
60 - 75			--		--	
<b>General Use</b>						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	277	60	1	1	1	
AC	600	60	1	2	1	
AC	600	60	3	3	1	
<b>General information</b>						
Text						
- 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						
<i>Text</i>						
- When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.						
CSA						
Nominal Voltage						
Voltage (V) AC / DC						
600 AC						
Rated insulation voltage Ui						
Voltage (V) AC / DC						
600 AC						
Rated thermal current						
Current (A)		Ambient temperature (°C)			Additional Text	
60		0 - 40			--	
Horsepower rating						
Across-the-Line Motor Starting						
	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]	
DOL	110 - 120	1	2	3	40	
DOL	220 - 240	1	2	7,50	40	
DOL	277 - 277	1	2	7,50	40	
DOL	415 - 415	1	2	10	40	
DOL	440 - 480	1	2	15	40	
DOL	110 - 120	3	3	5	40	
DOL	220 - 240	3	3	15	40	
DOL	415 - 415	3	3	20	40	
DOL	440 - 480	3	3	30	40	
DOL	550 - 600	3	3	40	40	
Temp. rating of wire						
Temperature rating (°C)			Current (A) Text			
75			-- --			
General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	277	60	1	1	1	
AC	600	60	1	2	1	
AC	600	60	3	3	1	
GENERAL TECHNICAL INFORMATION						
Size of conductor						
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)		Material of the wire	
Flexible wire	Max.	1	1 AWG 6		Copper	
Flexible wire	Max.	1	10mm <sup>2</sup>		Copper	
Single-core or stranded wire	Max.	1	1 AWG 6		Copper	
Single-core or stranded wire	Max.	1	16mm <sup>2</sup>		Copper	
Flexible wire with sleeve	Max.	1	10mm <sup>2</sup>		Copper	
Stripping length						
Length (mm) --						
						
Recommended screw driver						
Type of screw driver	Value					
Cross Screwdriver	PH2					
Slot screwdriver according to DIN 5264	1,2x6,5					
Tightening torque of screws						
tightening torque (Nm)			tightening torque (lb-in)			
1,80			16			
Approbations						
Specification	Marking					
CE marking						
UK Directives						
UL 60947-4-1; CSA C22.2 No. 60947-4-1						
CSA C.22.2 No.14						
GB/T14048.3						
General Information						
<i>Text</i>						
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.						
- EMC Note: This device is suitable for use in environment A and B.						
- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.						
- After wiring, ALL terminal screws must be tightened to the specified torque values.						
- The protection class of the selected mounting type may vary if optional extras are used.						
- Do not lubricate or treat contacts.						

## General Information

### Text

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

### 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](http://www.krausnaimer.com)

### Proposition 65

#### Picture name

#### Description



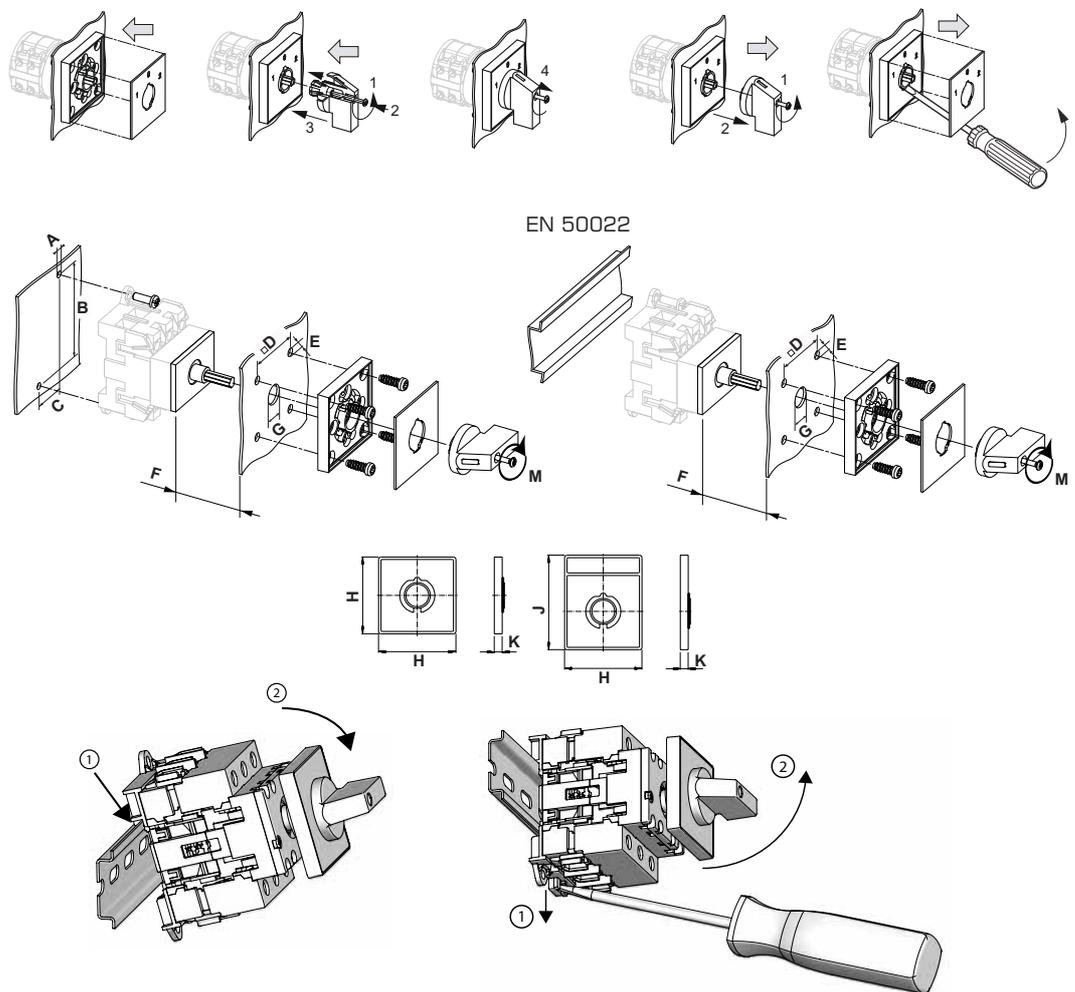
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

## Mounting-VE

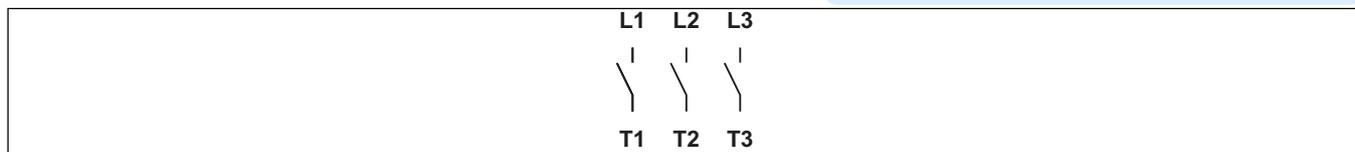


IP - Code front side	IP40
Stages	1,00 - 5,00
A	Ø 4,10 mm
B	H 70,00 mm
C	H 25,00 mm
D	□ 48,00 mm

E	Ø	5,00 mm
F	H	<= 13,50 mm
G	Ø	10,00 - 15,00 mm
H	H	64,00 mm
J	H	78,00 mm
K	H	7,40 mm
M	ñ	0,70 Nm

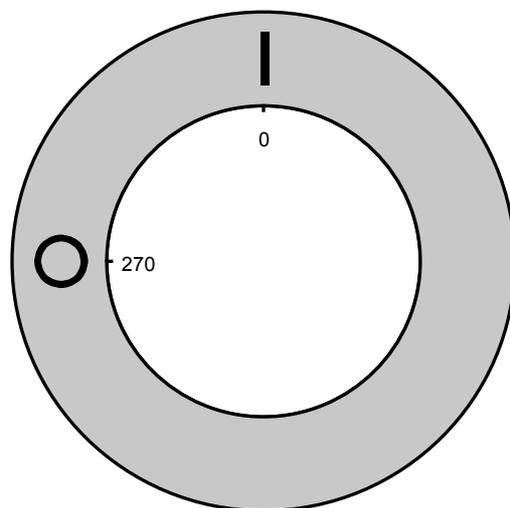
## Wiring diagram

KG64B.T303.VE



**Face plate**

S1.F456/C10.V11H





Sample image

## PADLOCK DEVICE

with F-handle ring

**Designation:** S1.V840G/D61/B2

**Color of F-handle ring:** "D" red

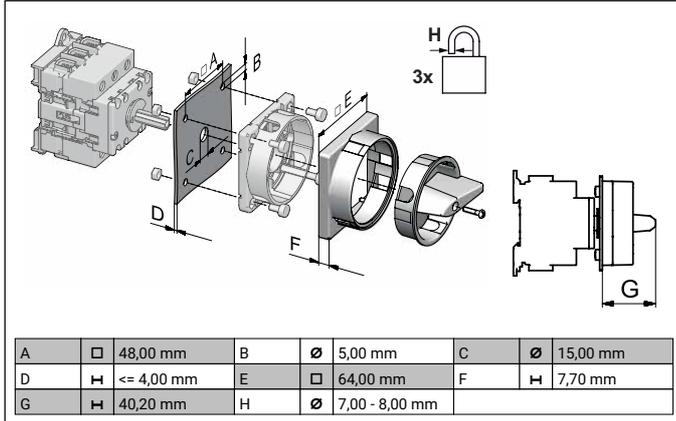
**Color of face plate ring:** "6" yellow

**Locking position:** "1" at 270° (1x90°)

**Type of mounting:** "B" for type of mounting VE

**Switch type:** "2" for KA- and KG-switches

**Switch type:** "2" for KHR-switches





Sample image

## STANDARD DOOR CLUTCH

with shaft extension/asymmetric profile (with arresting screw)

**Designation:** S1.M280E/B21S-EF

**Type of interlock:** "B2" with protected profile and interlock by door clutch

**Shaft length:** "1" 32 - 57 mm

**Application:** "S" for type of mounting VE

**Type of version:** "-EF" splash proof (IP66/67)

