



Sample image

Datasheet

Article number: 70010331

Designation: KG100.T203/09.VE

Description: Switchgear

3D-File: https://pd.krausnaimer.com/data/3d-model/dynamic/3D_70010331_3841211138.zip

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui				
		Voltage (V) AC / DC		
		690 50/60Hz		
Rated uninterrupted current Iu/Ith				
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements	
100	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C	
Rated operational current Ie				
Utilization category		Voltage (V)		Current (A)
AC-32A		20 - 400		100
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	18,50
AC-3	380 - 440	3	3	30
AC-3	660 - 690	3	3	22
AC-23A	220 - 240	3	3	22
AC-23A	380 - 440	3	3	37
AC-23A	660 - 690	3	3	30
Max. Fuse rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		100

UL60947-4-1, UL508

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				
100		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	5	40
DOL		220 - 240	1	2	15	40
DOL		277 - 277	1	2	15	40
DOL		415 - 415	1	2	25	40
DOL		440 - 480	1	2	30	40
DOL		550 - 600	1	2	30	40
DOL		110 - 120	3	3	10	40
DOL		220 - 240	3	3	25	40
DOL		415 - 415	3	3	40	40
DOL		440 - 480	3	3	50	40
DOL		550 - 600	3	3	50	40

SCCR / Max. fuse rating

Conditions of acceptability

These devices are suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses or Circuit Breaker Type SFHA36AT0250, manufactured by General Electric.

Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by Class J fuses, 100A max.

Temp. rating of wire

Temperature rating (°C)	Current (A)	Text
75	--	--

Connecting instructions

Markings

Break all lines.

General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	100	1	1	1

General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series			
AC	600	100	1	2	1			
AC	600	100	3	3	1			
General Information								
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.								
- 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			
		100	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	5	40
DOL				220 - 240	1	2	15	40
DOL				277 - 277	1	2	15	40
DOL				415 - 415	1	2	25	40
DOL				440 - 480	1	2	30	40
DOL				550 - 600	1	2	30	40
DOL				110 - 120	3	3	10	40
DOL				220 - 240	3	3	25	40
DOL				415 - 415	3	3	40	40
DOL				440 - 480	3	3	50	40
DOL				550 - 600	3	3	50	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	100	1	1	1			
AC	600	100	1	2	1			
AC	600	100	3	3	1			
GENERAL TECHNICAL INFORMATION								
Size of conductor								
composition of conductor		Min. / Max. value	No. of conductor per terminal		Cross section (mm²) or (AWG/kcmil)		Material of the wire	
Solid wire		Min.	1		2.5mm²		Copper	
Flexible wire		Min.	1		4mm²		Copper	
Flexible wire		Max.	1		35mm²		Copper	
Flexible wire		Max.	1		AWG 2		Copper	
Single-core or stranded wire		Min.	1		AWG 10		Copper	
Single-core or stranded wire		Max.	1		AWG 1/0		Copper	
Single-core or stranded wire		Max.	1		50mm²		Copper	
Flexible wire with sleeve		Max.	1		35mm²		Copper	
Flexible wire with ferrule according to DIN 46228		Min.	1		2.5mm²		Copper	
Stripping length								
Length (mm) --								
14								
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)			
			3		27			
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

Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- 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.
- 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

Proposition 65

Picture name

Description



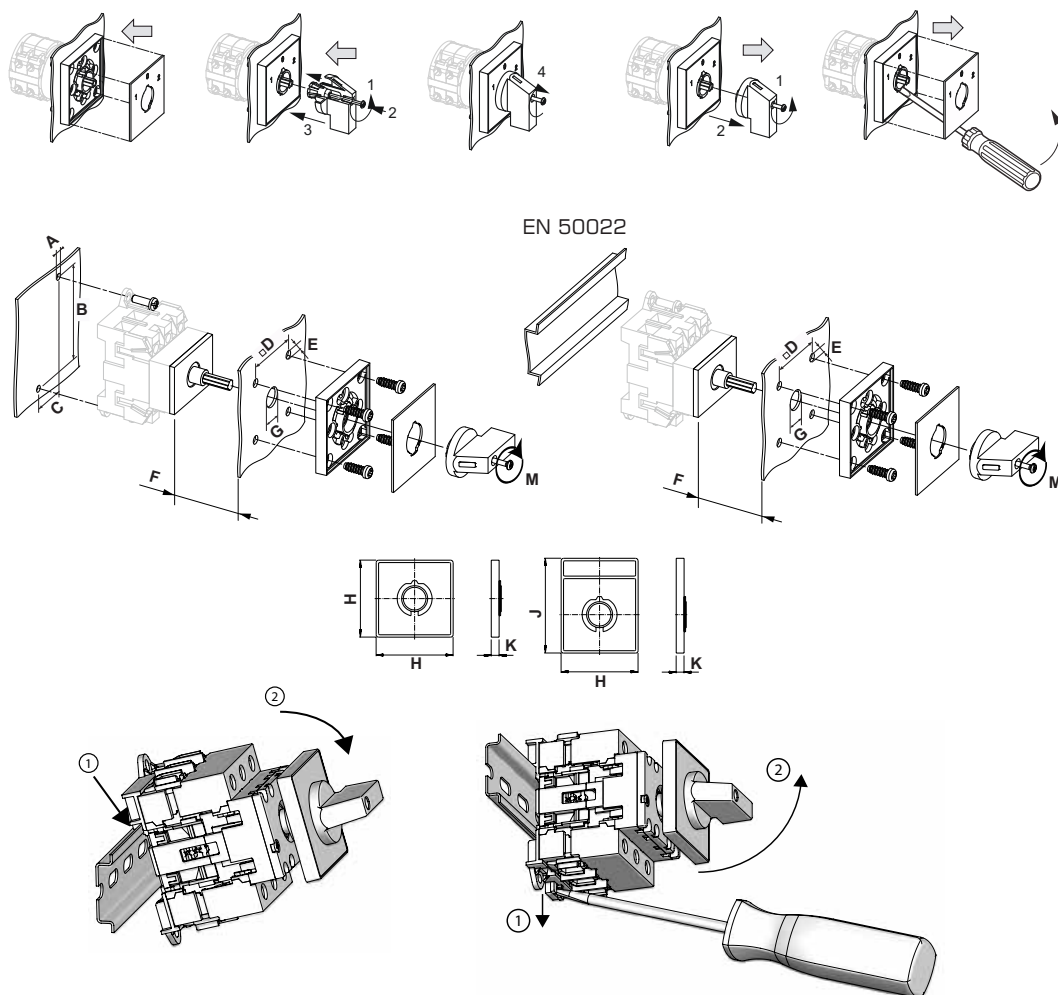
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-VE



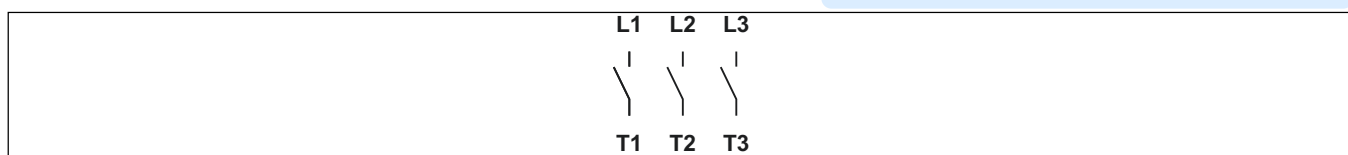
IP - Code front side

IP40

Stages		1,00 - 5,00
A	Ø	5,20 mm
B	H	90,00 mm
B_tol.	H	± 1,00 mm
C	H	25,00 mm
C_tol.	H	± 0,50 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	M	0,70 Nm

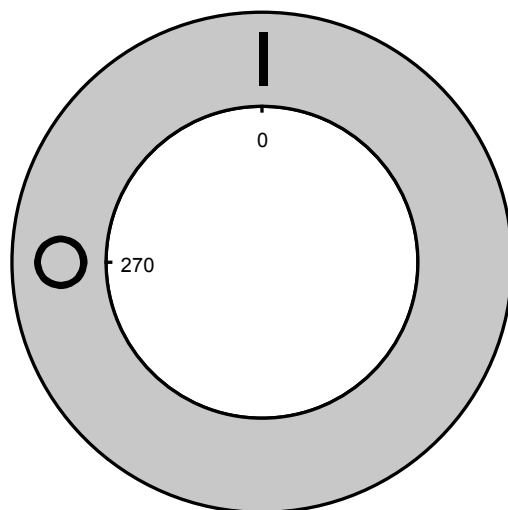
Wiring diagram

KG100.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

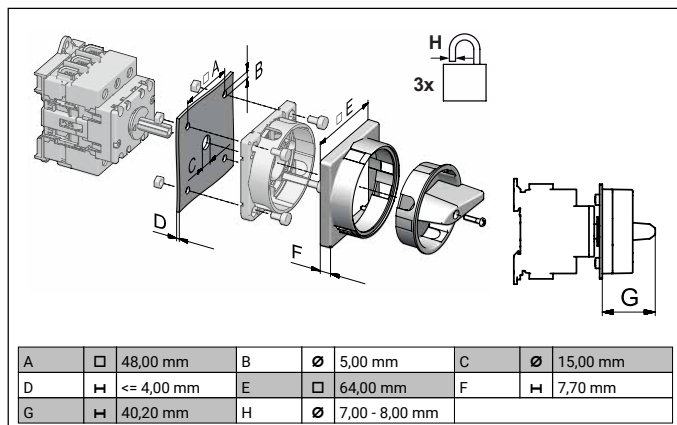
Color of face plate ring: "6" yellow

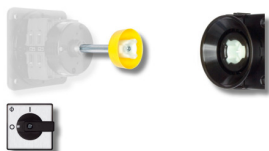
Locking position: "1" at 270° (1x90°)

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)

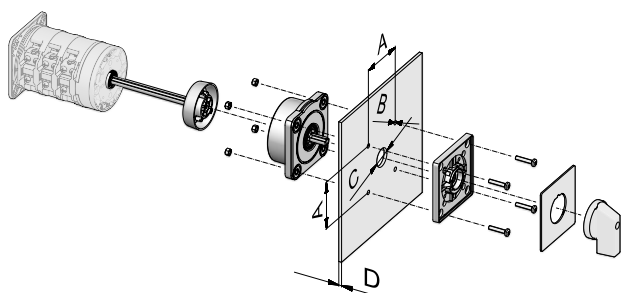
Designation: S1.M280E/B21S-EF

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

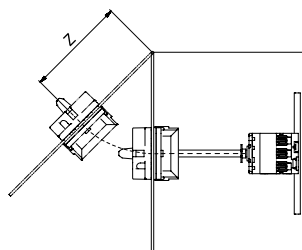
Shaft length: "1" 32 - 57 mm

Application: "S" for type of mounting VE

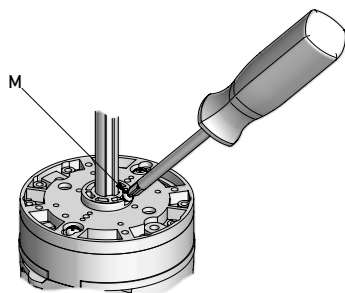
Type of version: "-EF" splash proof (IP66/67)



A	□	48,00 mm	B	∅	5,00 mm	C	∅	19,00 - 22,00 mm
D	H	4,00 mm						

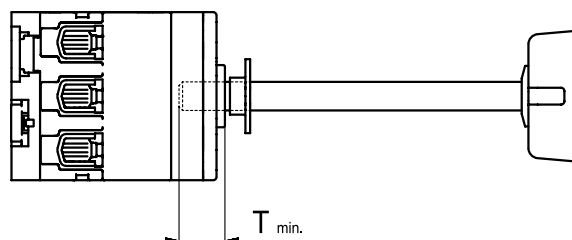


Z	H	>= 100,00 mm		
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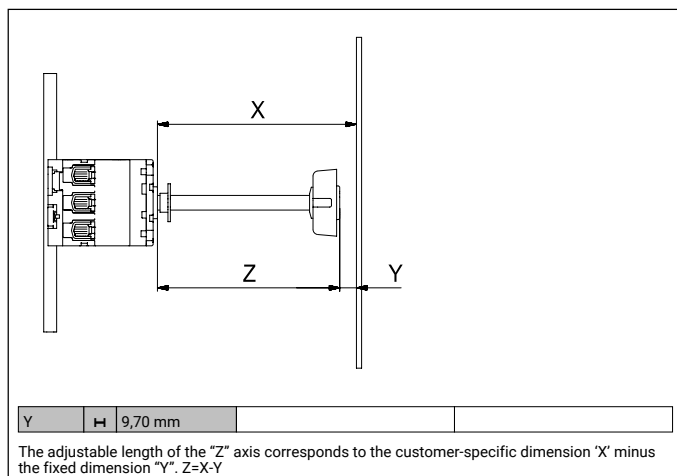


M	M	0,80 Nm		
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1. Loosen the screw
2. Move shaft
3. Tighten the screw



T	H	>= 17,00 mm		
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SHAFT EXTENSIONS

in special length for M004D

Designation: S1.M099D/000B385**GENERAL TECHNICAL INFORMATION****Recommended screw driver**

Type of screw driver	Value
Cross Screwdriver	PH1

PROTECTIVE COVER

for KA40-KA63BT and KG20-KG317

Designation: K2.M160/3

Type of version: "3" cover for 3 pole switches

