

Sample image

Datasheet

Article number: 70010163

Designation: KG80.T203/01.E

Description: Switchgear

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	
80	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			80
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	15
AC-3	380 - 440	3	3	22
AC-3	660 - 690	3	3	18,50
AC-23A	220 - 240	3	3	18,50
AC-23A	380 - 440	3	3	30
AC-23A	660 - 690	3	3	22
Max. Fuse rating IEC				
Fuse characteristic	No. of Fuses			Current (A)
gG	1			80
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		
80		0 - 40 --		
Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110 - 120	1	2	5
DOL	220 - 240	1	2	10
DOL	277 - 277	1	2	15
DOL	415 - 415	1	2	20
DOL	440 - 480	1	2	20
DOL	550 - 600	1	2	30
DOL	110 - 120	3	3	10
DOL	220 - 240	3	3	25
DOL	415 - 415	3	3	30
DOL	440 - 480	3	3	50
DOL	550 - 600	3	3	50
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
AC	277	80	1	1
AC	600	80	1	2
AC	600	80	3	3
No. of contacts in series				
1				
1				
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	
		80	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	10	40
DOL		277 - 277	1	2	15	40
DOL		415 - 415	1	2	20	40
DOL		440 - 480	1	2	20	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	30	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	80	1	1	1	
AC	600	80	1	2	1	
AC	600	80	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.						

General Information

Text

- 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.
- 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



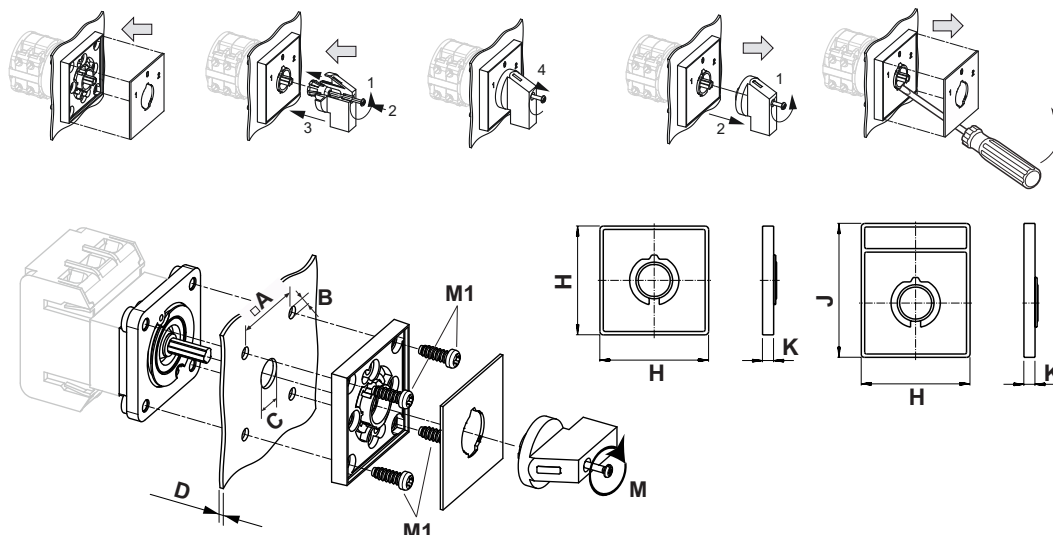
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

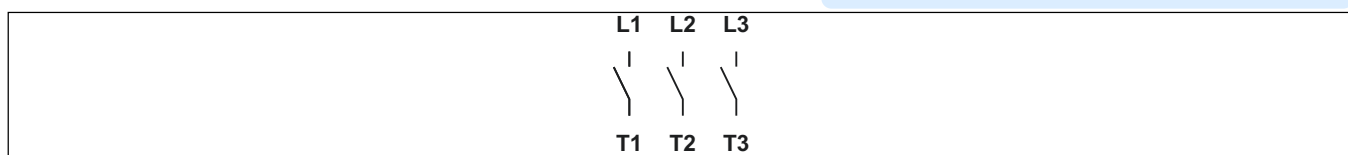
Mounting-E



IP - Code front side	IP66, IP67
Stages	1,00 - 12,00
A	□ 48,00 mm
B	∅ 5,00 mm
C	∅ 10,00 - 15,00 mm
D	H <= 4,00 mm
H	H 64,00 mm
J	H 78,00 mm
K	H 7,40 mm
M	⌘ 0,70 Nm
M1	⌘ 1,20 Nm

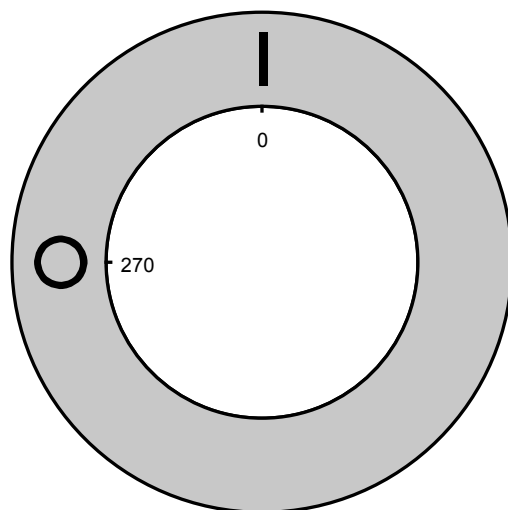
Wiring diagram

KG80.T303.E



Face plate

S1.F456/C10.V11H





Sample image

PADLOCK DEVICE

with F-handle ring

Designation: S1.V840G/D61/A2

Color of F-handle ring: "D" red

Color of face plate ring: "6" yellow

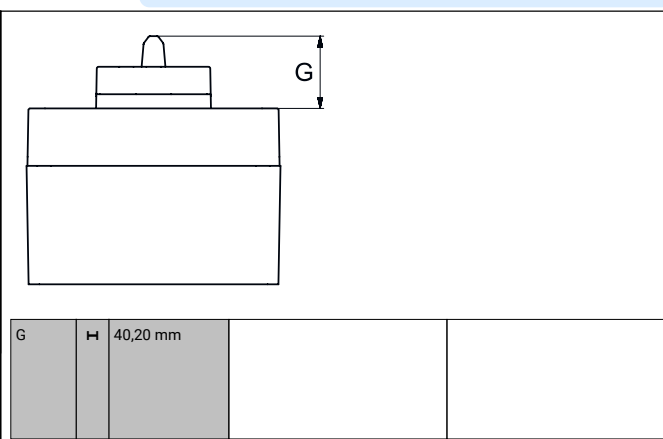
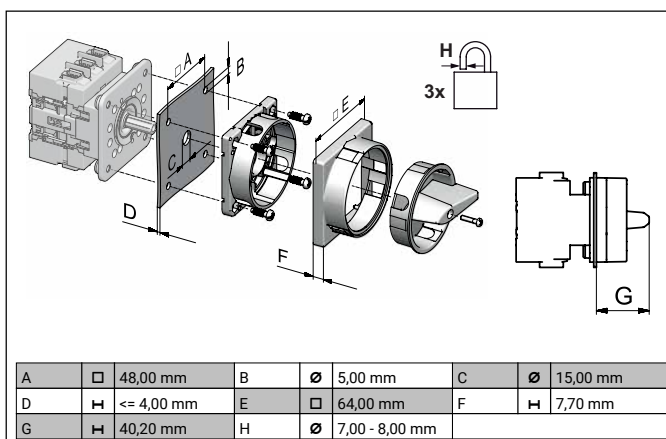
Locking position: "1" at 270° (1x90°)

Type of mounting: "A" for type of mounting GK (Rose)

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

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

Switch type: "2" for KHR-switches



PROTECTIVE COVER

for KA40-KA63BT and KG20-KG317

Designation: K2.M160/3

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

