

Sample image


## Datasheet

**Article number:** 70010454

**Designation:** KG80.T103/01.E

**Description:** Switch Global Disconnecter

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
<b>Rated insulation voltage Ui</b>						
			Voltage (V) AC / DC			
			690 AC			
<b>Rated uninterrupted current Iu/Ith</b>						
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			
<b>Rated operational current Ie</b>						
Utilization category			Voltage (V)		Current (A)	
AC-32A			20 - 400		80	
<b>Rated operational power</b>						
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		
<b>Max. Fuse rating IEC</b>						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		80	
<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	
		80	0 - 40		-	
<b>Horsepower rating</b>						
<i>Across-the-Line Motor Starting</i>		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
<b>SCCR / Max. fuse rating</b>						
<i>Conditions of acceptability</i>						
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.						
<b>Temp. rating of wire</b>						
			Temperature rating (°C)	Current (A) Text		
			75	--		
<b>Connecting instructions</b>						
<i>Markings</i>						
Break all lines.						
<b>General Use</b>						
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 Information					
<i>Text</i>					
- 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					
<i>Across-the-Line Motor Starting</i>					
	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					
<i>composition of conductor</i>	<i>Min. / Max. value</i>	<i>No. of conductor per terminal</i>		<i>Cross section (mm<sup>2</sup>) or (AWG/kcmil)</i>	<i>Material of the wire</i>
Solid wire	Min.	1		2.5mm <sup>2</sup>	Copper
Flexible wire	Min.	1		4mm <sup>2</sup>	Copper
Flexible wire	Max.	1		35mm <sup>2</sup>	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		50mm <sup>2</sup>	Copper
Flexible wire with sleeve	Max.	1		35mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1		2.5mm <sup>2</sup>	Copper
Stripping length					
Length (mm) --					
					
Recommended screw driver					
<i>Type of screw driver</i>	<i>Value</i>				
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					
<i>Specification</i>					<i>Marking</i>
CE marking					
UK Directives					
CSA C.22.2 No.14					
General Information					
<i>Text</i>					
- Alleen koperleidingen met of zonder vertinde/verzilverde draden (per draad) gebruiken. Het nadien vertinnen van de uiteinden is niet toegestaan.					
- EMC Note: This device is suitable for use in environment A and B.					
- Terminals with factory fitted jumper links are tightened during production. 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.					

### General Information

#### Text

- Het gebruik van een extra apparaat kan de beschermingsklasse van de gekozen bouwvorm beïnvloeden.
- 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](http://www.krausnaimer.com)

### Proposition 65

#### Picture name

#### Description



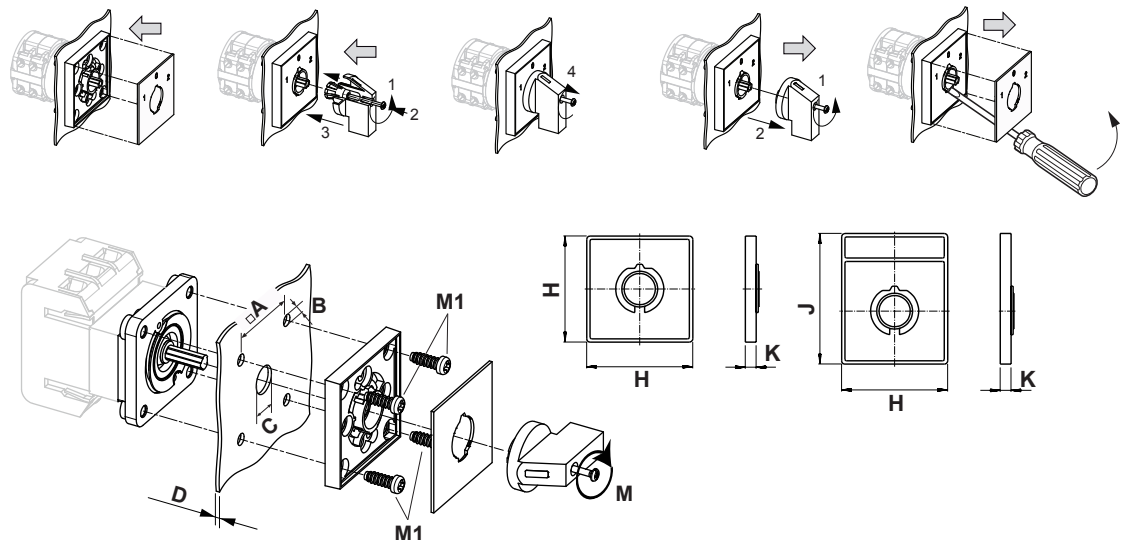
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

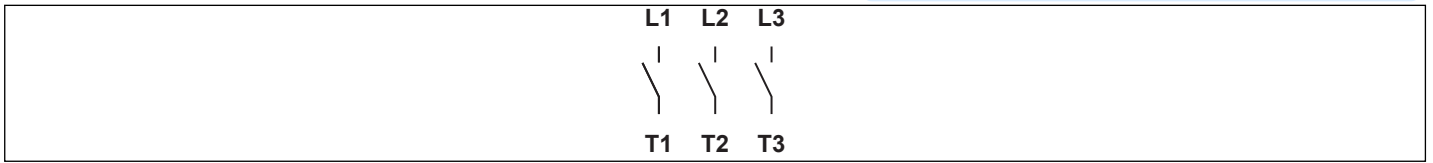
### Mounting-E



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	↺ 0,90 Nm

**Wiring diagram**

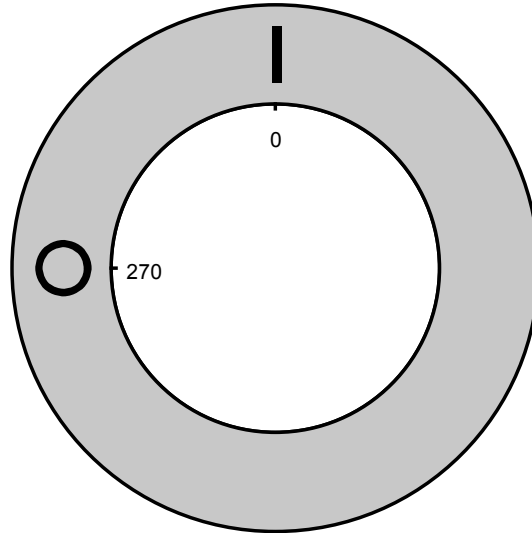
KG80.T303.E

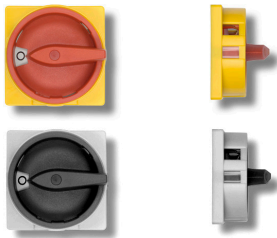




**Face plate**

S1.F456/C10.V11H





Sample image

## PADLOCK DEVICE

with F-handle ring

**Designation:** S1.V840G/A71/A2

**Colour of F-handle ring:** "A" black

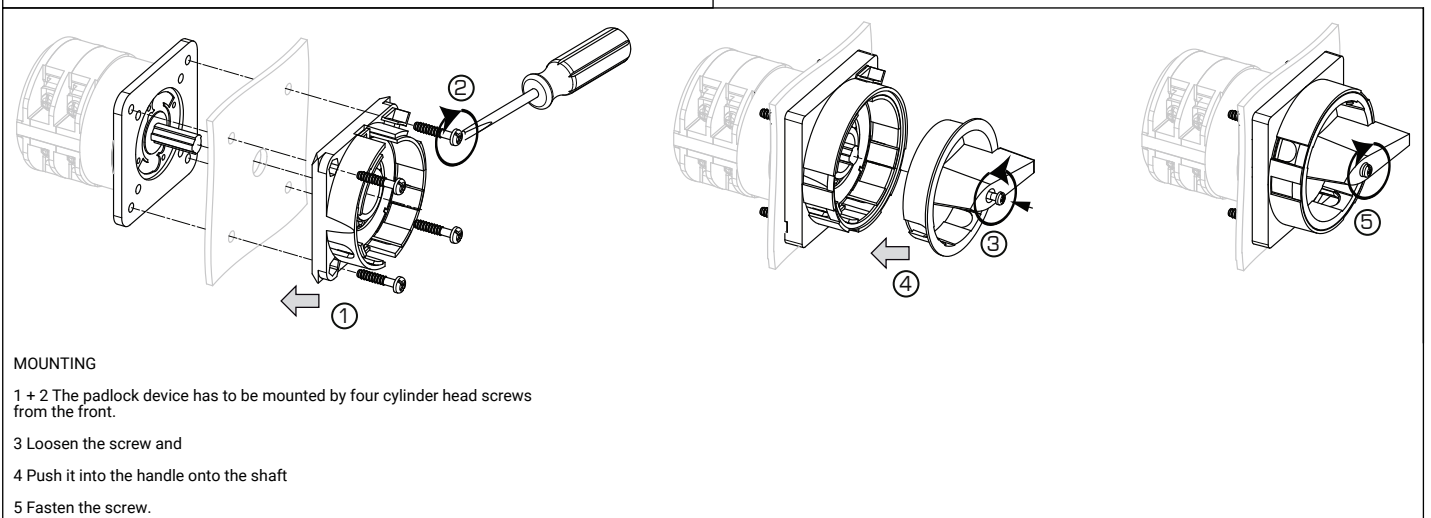
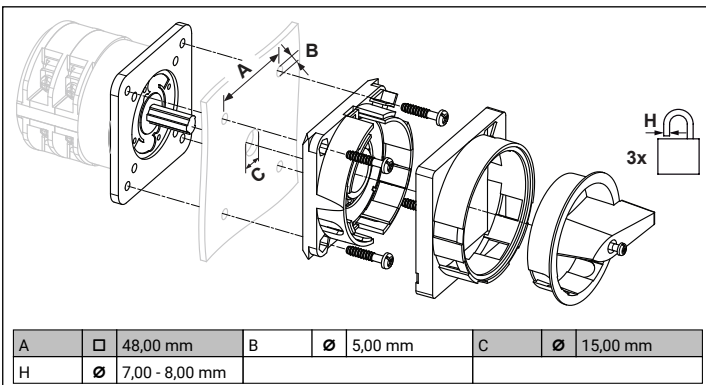
**Colour of face ring:** "7" electro-grey

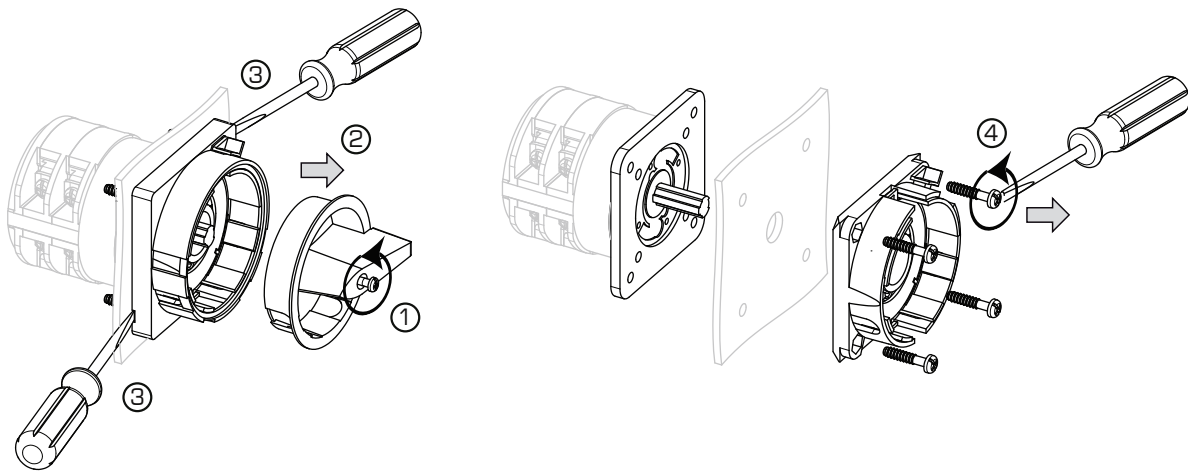
**Locking position:** "1" at 270° (1x90°)

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

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

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





1 Loose handle screw

2 remove handle.

3 Insert a proper auxiliary tool at those points of the frame of the device which are marked by a screw driver on the drawing and remove the frame.

4 Fixing screws can be loosen now.



**PROTECTIVE COVER**

for KA40-KA63BT, KG20-KG317, KH(R)32-KH(R)80 and KH85

**Designation:** K2.M160/3

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

