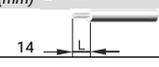


Sample image

## Datasheet

**Article number:** 70012726  
**Designation:** KG80.T203/12.VE  
**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 50/60Hz						
<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						Current (A)
AC-32A						80
Voltage (V)						20 - 400
<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						Current (A)
gG						80
No. of Fuses						1
<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>						
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	
<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						
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 (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire	
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						
			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						
<i>Specification</i>					<i>Marking</i>	
EAC						
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.
- 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](http://www.krausnaimer.com)

## Proposition 65

### Picture name

### Description



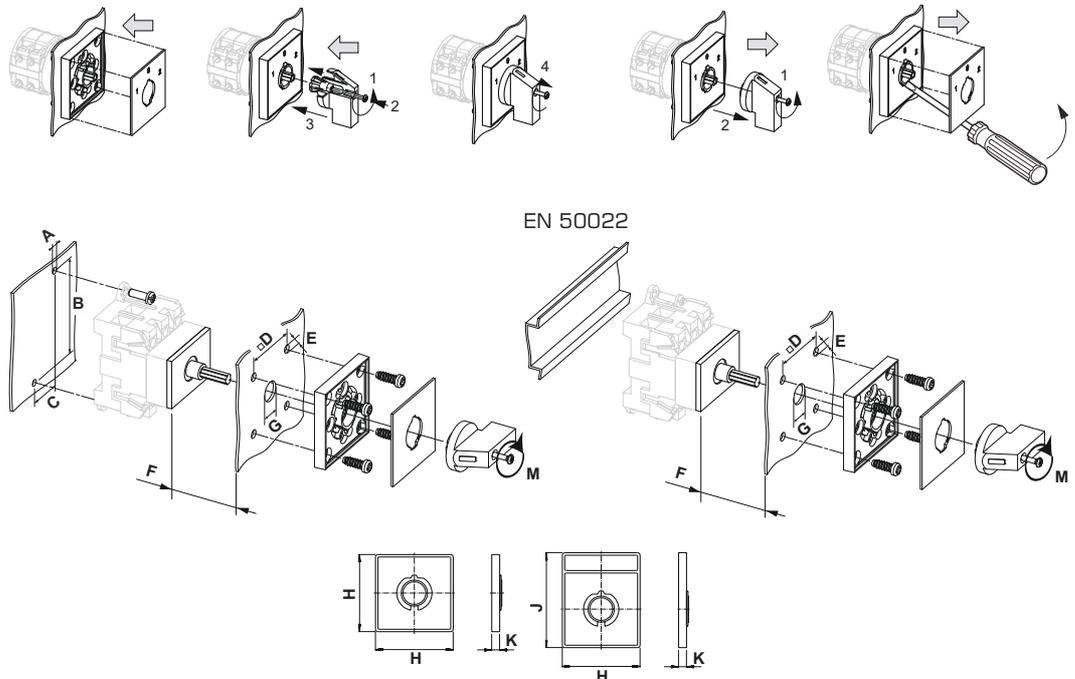
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

## Mounting-VE

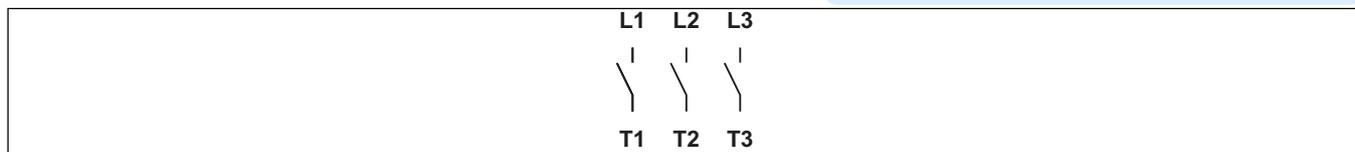


IP - Code front side	IP40
Stages	1,00 - 5,00
A	∅ 5,20 mm
B	H 90,00 mm
B-tol.	H ± 1,00 mm
C	H 25,00 mm
C-tol.	H ± 0,50 mm
D	□ 48,00 mm
E	∅ 5,00 mm
F	H ≤ 13,50 mm
G	∅ 10,00 - 15,00 mm
H	H 64,00 mm
J	H 78,00 mm

K	H	7,40 mm
M	M	0,70 Nm

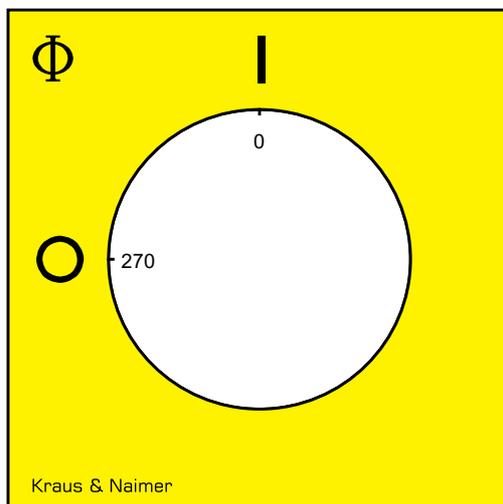
## Wiring diagram

KG80.T303.VE



**Face plate**

S1.F456/E10.M1H





Sample image

## DOOR CLUTCH with locking handle

**Designation:** S1.M700/E11

**Type of face plate and handle:** "E" face plate/yellow, frame/black, handle/red, locking flag/yellow

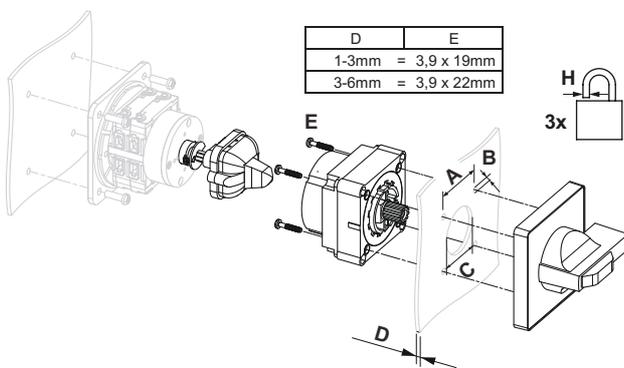
**Face plate frame:** "1" square escutcheon plate frame

**Locking position:** "1" at 270°

### GENERAL TECHNICAL INFORMATION

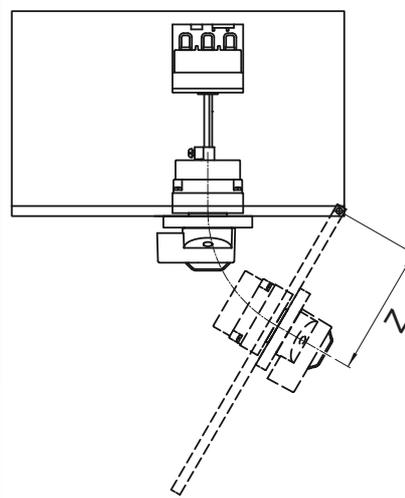
#### Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH2
Slot screwdriver according to DIN 5264	1x5,5

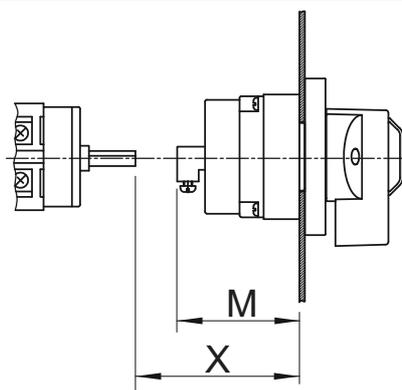


A	□	48,00 mm	B	∅	5,00 mm	C	∅	39,00 - 42,00 mm
D	H	1,00 - 5,50 mm	H	∅	4,00 - 8,00 mm			

Misalignment of the switch shaft to the door clutch up to  $\pm 5$  mm in all directions can be accepted.

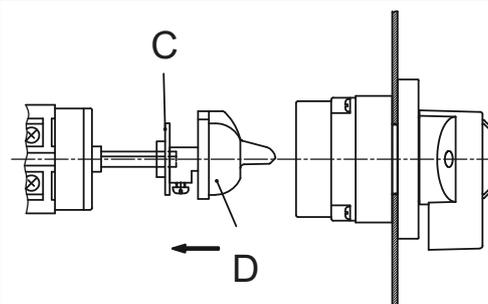


Z	H	100,00 mm
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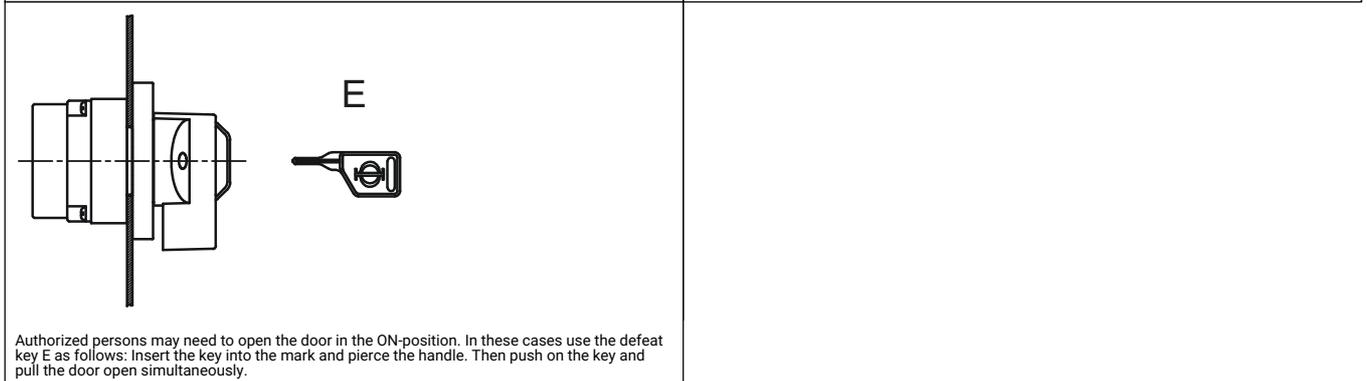
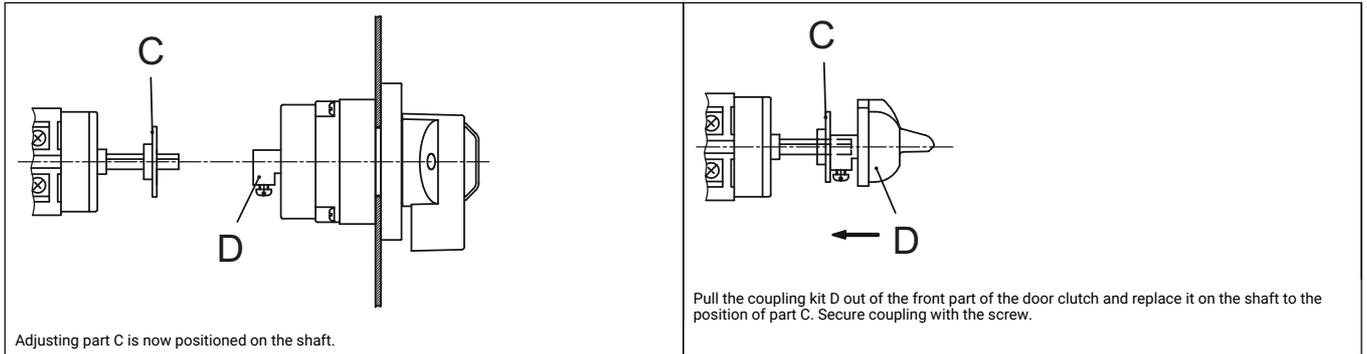


M	65,50 mm	X	H	43,00 mm	X $\pm$ tol	H	5,00 mm
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Shaft to be adjusted, that shaft-door-distance corresponds dimension X. Switches using shaft extensions dimension M increases as follows: 5,7 mm

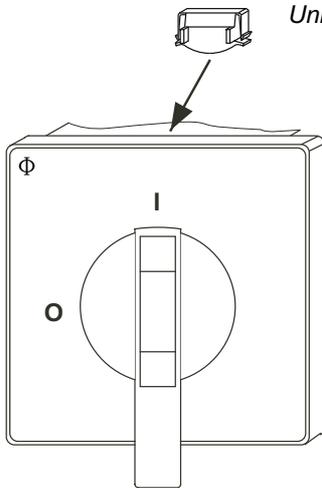


Attach adjusting part C and coupling kit D about 10 mm on the shaft. When switch is in OFF-position, close and open the door again.



**Entriegelungsstück für Türkupplung M700 - Unlock insert for doorclutch M700**  
zum Aufheben der Türverriegelung in der Ein-Stellung      to open the door in the ON-position

*Auf Wunsch verfügbares Entriegelungsstück S1D M700 29*  
*Unlock insert S1D M700 29 available upon request.*



Um die Verriegelung in der EIN-Stellung aufzuheben, muss man das beigelegte Entriegelungsstück in die dafür vorgesehene Ausnehmung an der Gehäuseseite der EIN-Stellung des Schalters einsetzen.

To defeat locking in the ON-position fix unlock insert in the predetermined recess of casing positioned next to the ON-position marking.

**Warnhinweis:** Nach Aufhebung der Türverriegelung sind wirksame Vorkehrungen zu treffen um ein Öffnen der Schaltschranktür durch unbefugte Personen zu verhindern.

**Cautionary note:** After the locking has been made inactive, it is necessary to take effective precautions against an opening of the door by unauthorized persons.

**SHAFT EXTENSIONS**

in special length for M004D

**Designation:** S1.M099D/000D290

**GENERAL TECHNICAL INFORMATION**

**Recommended screw driver**

Type of screw driver	Value
Cross Screwdriver	PH1

**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

