

Sample image

Datasheet

Article number: 70010019

Designation: KG100.T103/09.VE

Description: Switch Global Disconnecter

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107				
Rated insulation voltage Ui				
Voltage (V) AC / DC				
690 AC				
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)
DOL	110 - 120	1	2	5
DOL	220 - 240	1	2	15
DOL	277 - 277	1	2	15
DOL	415 - 415	1	2	25
DOL	440 - 480	1	2	30
DOL	550 - 600	1	2	30
DOL	110 - 120	3	3	10
DOL	220 - 240	3	3	25
DOL	415 - 415	3	3	40
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	100	1	1
AC	600	100	1	2
AC	600	100	3	3
No. of contacts in series				
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				
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	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) --						
						
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	
EAC						
CE marking						
UK Directives						
CSA C.22.2 No.14						
GB/T14048.3						
General Information						
Text						
- 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.
- Use copper wire only. Do not coat the wire end with tin.
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.

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



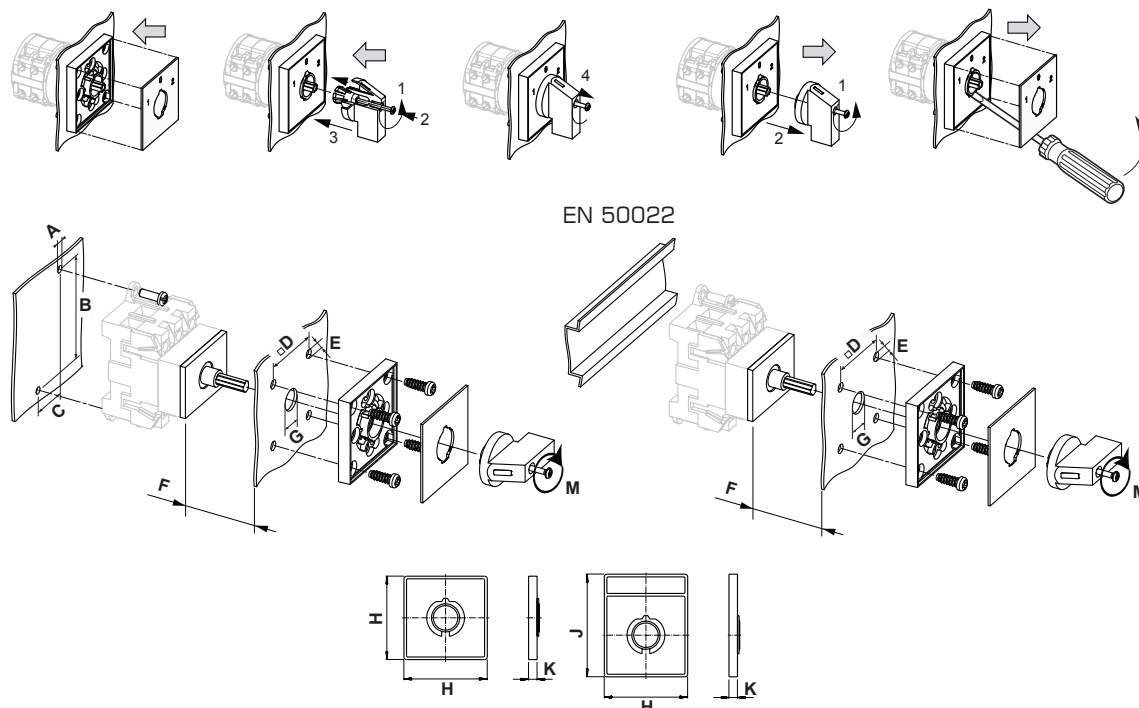
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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



Switch program

KG100.T303.VE



Kraus & Naimer

KG100

T303

VE

Page 1 of 1

Face Plate									
		L1	L2	L3					
		1	3	5	7	9	11	13	15
									
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16
		T1	T2	T3					
0	270								
1	0	■	■	■					
	90								
	180								

Version: 102

Face plate

S1.F456/C10.V11H





Sample image

PADLOCK DEVICE

with F-handle ring

Designation: S1.V840G/A71/B2

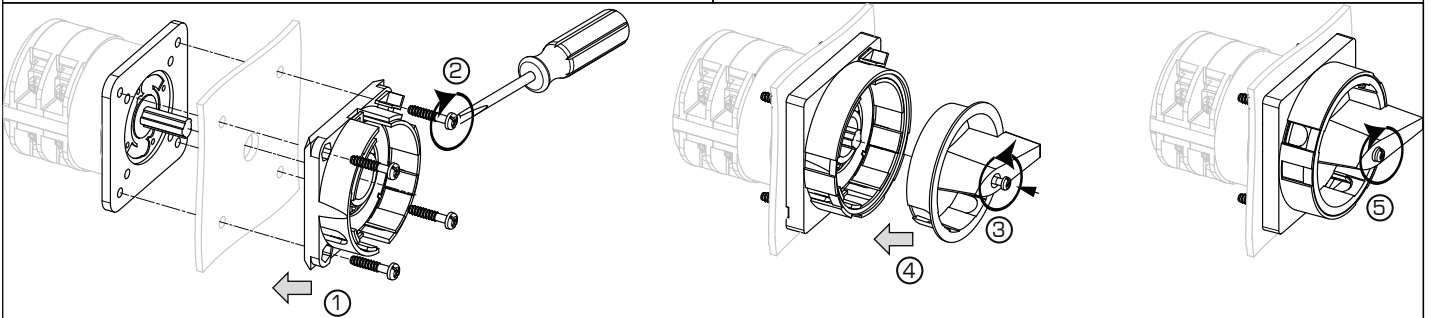
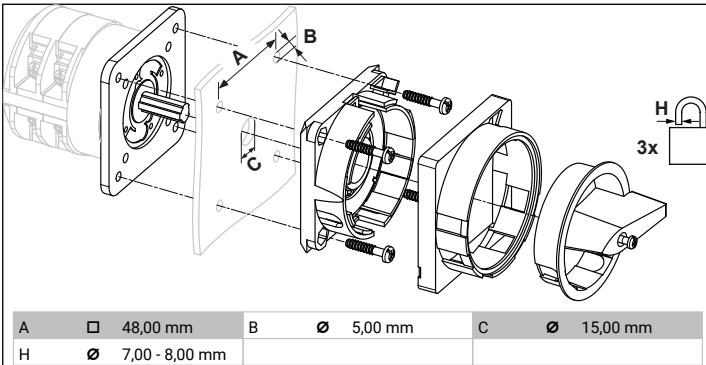
Colour of F-handle ring: "A" black

Colour of face ring: "7" electro-grey

Locking position: "1" at 270° (1x90°)

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

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



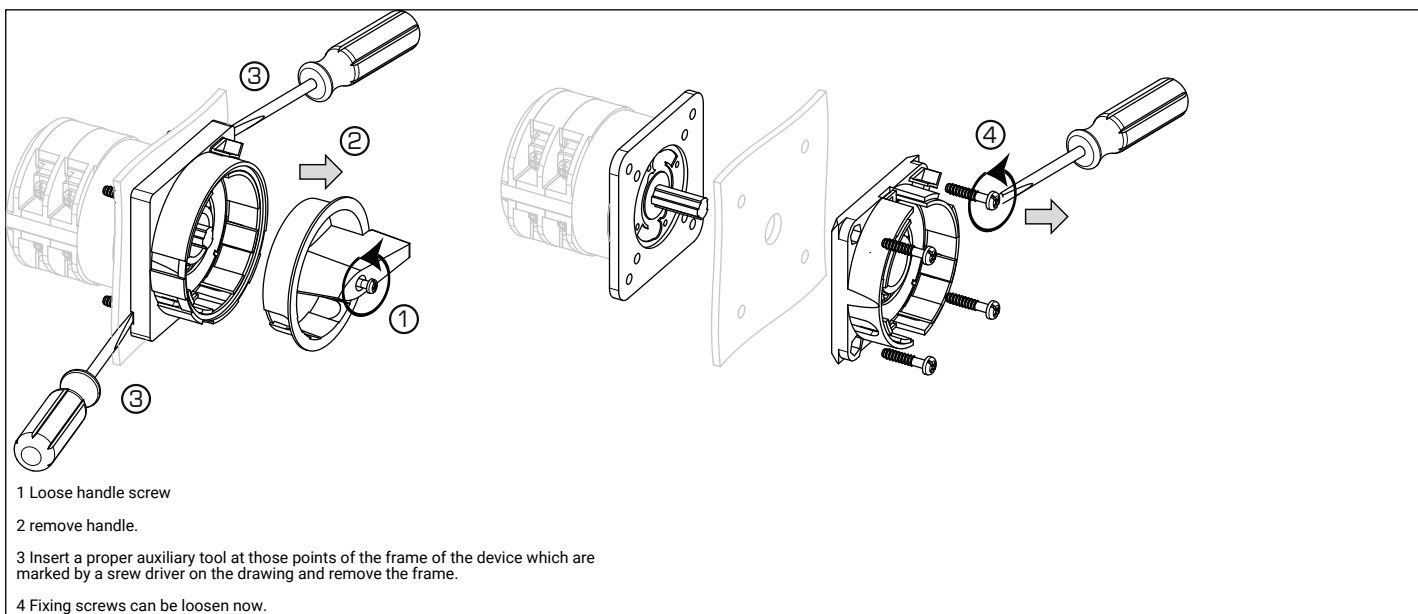
MOUNTING

1 + 2 The padlock device has to be mounted by four cylinder head screws from the front.

3 Loosen the screw and

4 Push it into the handle onto the shaft

5 Fasten the screw.





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						



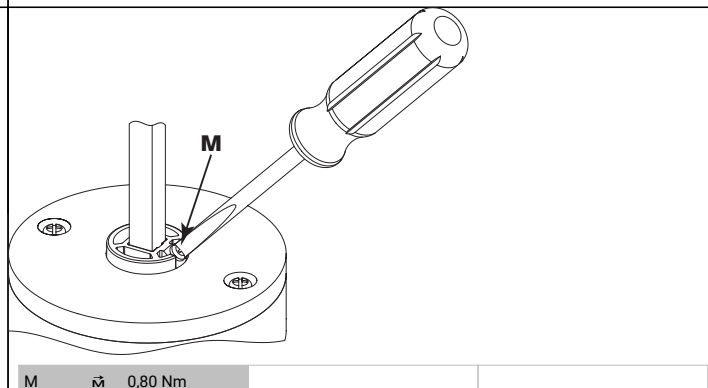
Z H ≥ 100,00 mm



S2D V840 10

S3D V840 10

If S2 V840D or S2/S3 V845 will be applied with M280D, M280E or M280F, separately delivered parts S2D V840 10 resp. S3D V840 10 are not needed.



M $\vec{M}$ 0,80 Nm

1. Loosen the screw
2. Move shaft
3. Tighten the screw