



Sample image

Datasheet

Article number: 70010792

Designation: KG80.T204/09.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			
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)	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
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	80	1	1	1	

General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series			
AC	600	80	1	2	1			
AC	600	80	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			
		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		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				
EAC								
CE marking								
UK Directives								
CSA C.22.2 No.14								
GB/T14048.3								

General Information

Text

- EMC Note: This device is suitable for use in environment A and B.
- 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.
- 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



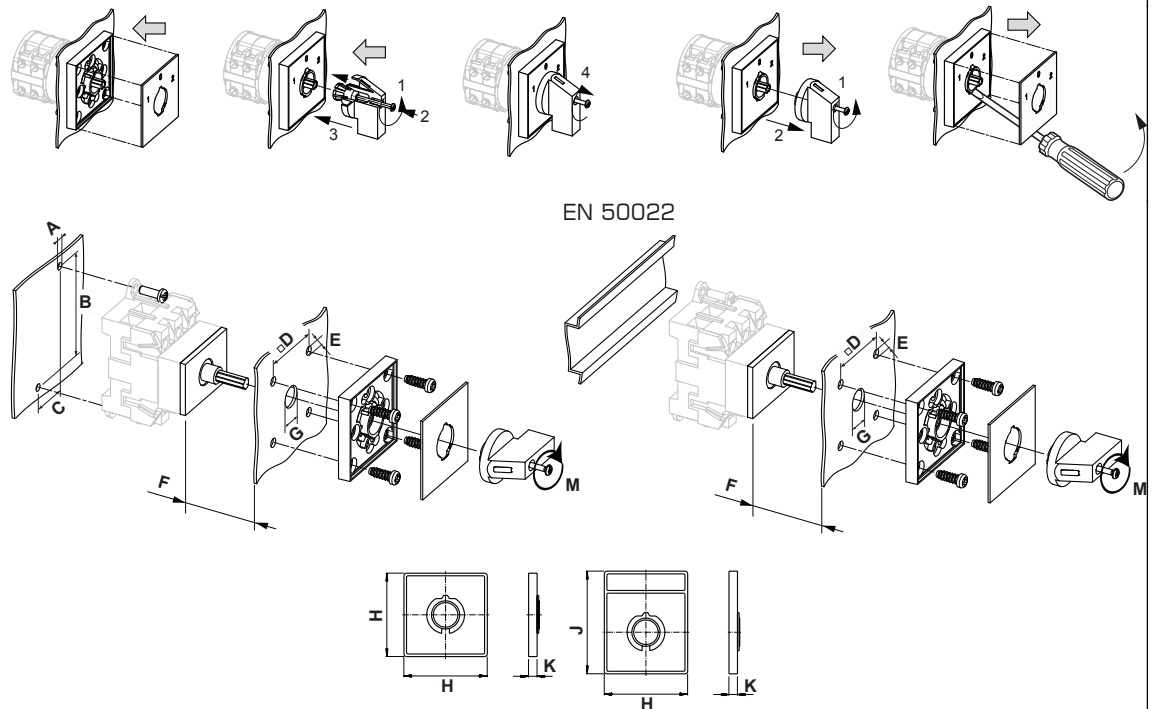
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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

KG80.T304.VE



Switch program

KG80.T304.VE

 Kraus & Naimer		KG80		T304		Page 1 of 1			
Face Plate									
		L1 1	L2 3	L3 5	N 7	9	11	13	15
									
Switching Angle 90 Total switching Angle 90		2 T1	4 T2	6 T3	8 N	10	12	14	16
0	270								
1	0								
	90								
	180								

Version: 94

Face plate

S1.F456/C10.V11H





Sample image

PADLOCK DEVICE

with F-handle ring

Designation: S1.V840G/D61/B2

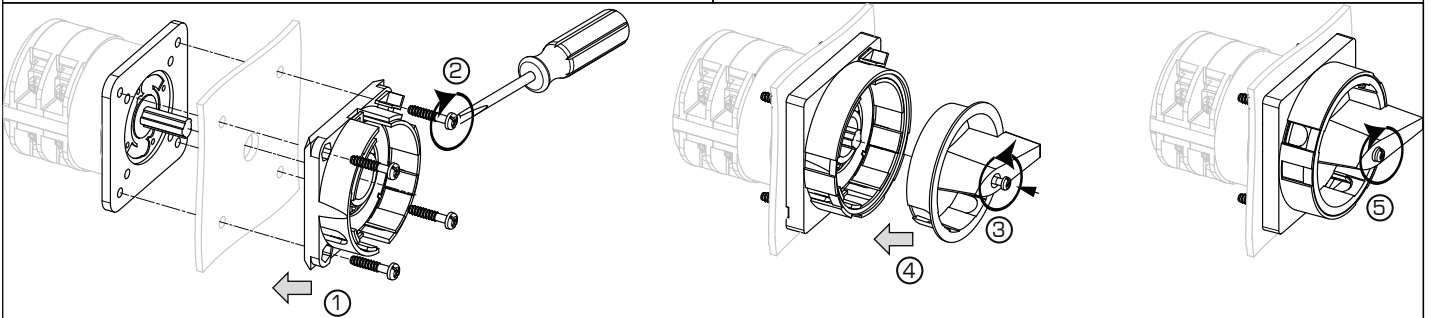
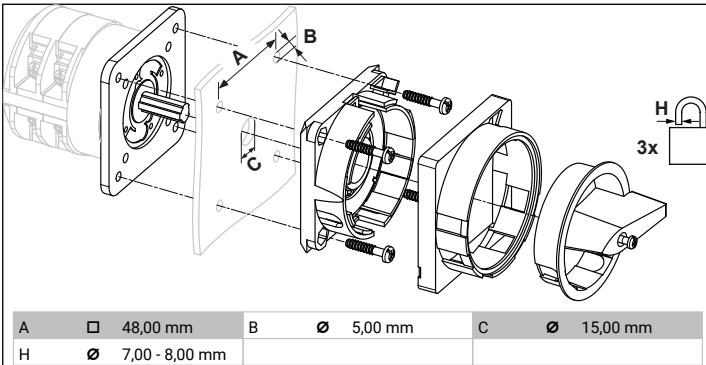
Colour of F-handle ring: "D" red

Colour of face ring: "6" yellow

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



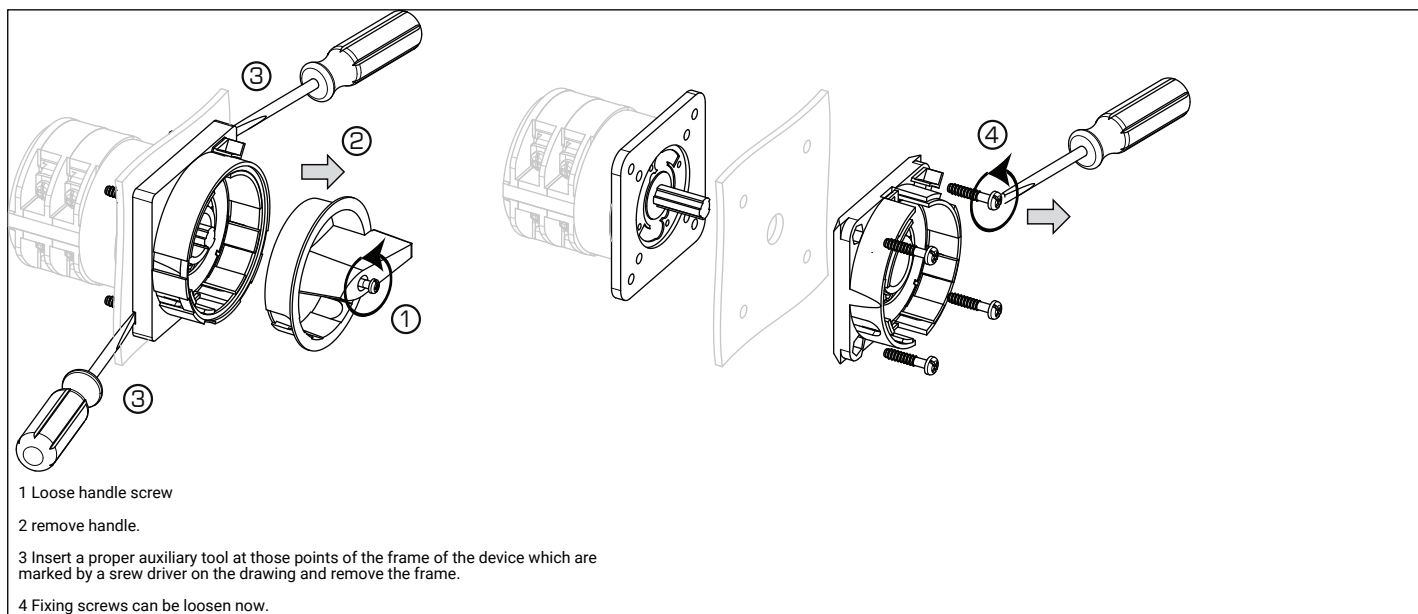
MOUNTING

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

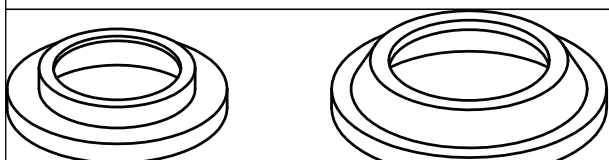
Type of version: "-EF" splash proof (IP66/67)



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



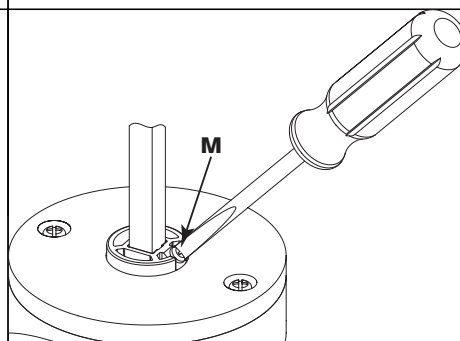
Z H ≥ 100,00 mm



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