Sample image

KG20B
Type Size: S1
Classification Contact: SOLID CONTACT
Classification Contact Mat: SILVER
Classification Terminal: SCREW TERMINAL
Contact development: T304
Face plate engraving: F456
Type of mounting: E
Reference number: KG20B T104/01 E

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
25	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220-240	3	3	4,00
AC-3	380-440	3	3	5,50
AC-3	660-690	3	3	5,50
AC-23A	220-240	3	3	5,50
AC-23A	380-440	3	3	7,50
AC-23A	660-690	3	3	7,50

Max Fuse Rating IEC

Fuse characteristic	Numb Fuses	Current (A)
gG	1	35

UL60947-4-1 , UL508

Horsepower rating

Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	200-240	3	3	7,50

SCCR / Max. fuse rating

Conditions of acceptability

This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses.

Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes at 600V max., when protected by 40A Class J fuses.

Temp. rating of wire

Temperature rating (°C)	Current (A)
60-75	--

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 disconnector the device shall be provided with a method of being locked in the OFF-position.

Nominal Voltage

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
25	0-40	

Horsepower rating

Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110-120	1	2	1,00
DOL	220-240	1	2	3,00
DOL	277-277	1	2	3,00
DOL	415-415	1	2	5,00
DOL	440-480	1	2	5,00
DOL	550-600	1	2	5,00
DOL	110-120	3	3	2,00
DOL	415-415	3	3	10,00
DOL	440-480	3	3	15,00
DOL	550-600	3	3	20,00

Pilot duty rating code

Duty Code

A600

General Use					
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	25	1	1	1
AC	600	25	1	2	1
AC	600	25	3	3	1

CSA

Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	220-240	3	3	7,50

Temp. rating of wire	
Temperature rating (°C)	Current (A)
75	--

GENERAL TECHNICAL INFORMATION

Tightening torque of screws	
tightening torque (Nm)	tightening torque (lb-in)
1,25	11

Stripping length	
Length (mm)	--
9	STRIPPINGLENGTH

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
flexible wire	Max.	1	AWG 10	Copper
flexible wire	Max.	1	4mm²	Copper
Single-core or stranded wire	Max.	1	6mm²	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
flexible wire with sleeve	Max.	1	4mm²	Copper

Recommended screw driver	
Type of screw driver	Value
Flat blade	0,8x1,2

General Information

Text

Do not lubricate or treat contacts.

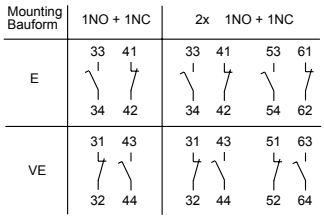
Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.

Use copper wire only. Do not coat the wire end with tin.

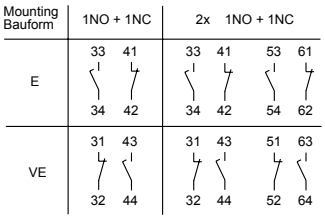
Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.

Further Pictures

Picture Purpose	Picture Name
AUX.CONT.	H010/A, H010/C



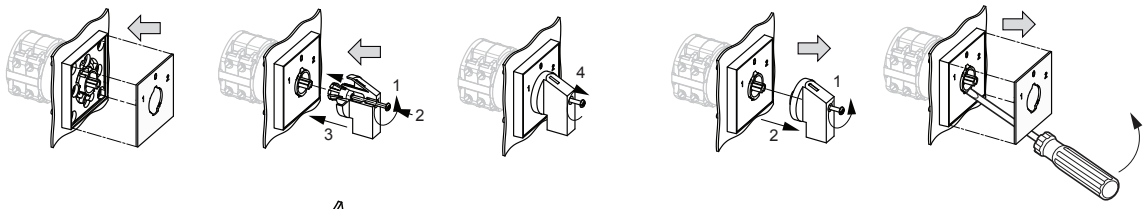
H010/B



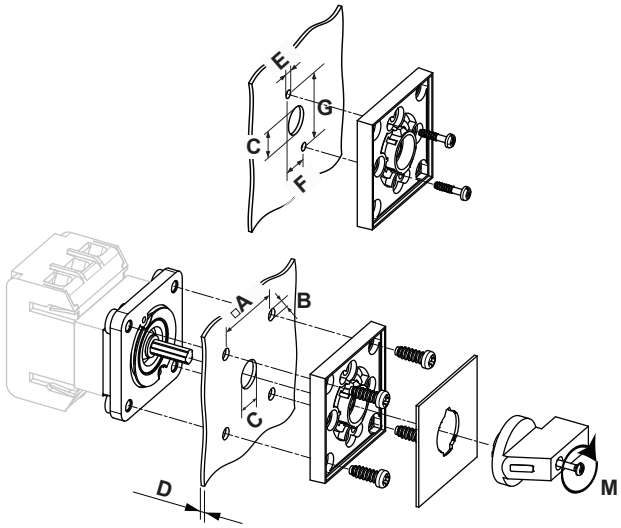
Technical Data according to UL Specifications		Auxiliary Contacts KG20 - KG64B	Auxiliary Contacts KG80 - KG105C
Rated Voltage	V A . C.	600	600
Ampere Rating	A	10	10
Type of wire	-	Use 60/75°C copper wire only	Use 75°C copper wire only
Temperature rating of wire	° C	60/75	75
Torque value for field wiring terminals	lb-in.	-	-
	Nm	-	-

Mounting-E

Mounting-E



BF_KG20A_E

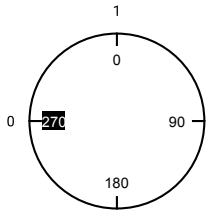


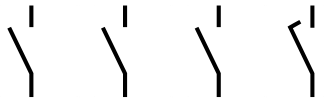
IP - Code front side		IP66, IP67
Stages		2,00 - 8,00
A	□	48,00 mm
B	Ø	5,00 mm
C	Ø	10,00 - 15,00 mm
D	I I	<= 4,00 mm
E	Ø	3,50 mm
F	I I	12,20 mm
G	I	30,00 mm
M	M	0,70 Nm

Kraus & Naimer

KG20B	T304	Page 1 of 1

Face Plate



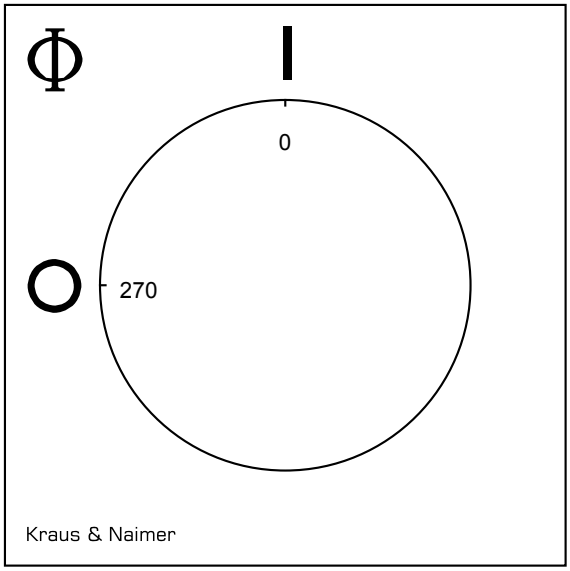


	L1	L2	L3	N				
	1	3	5	7	9	11	13	15
Switching Angle 90	2	4	6	8	10	12	14	16
Total switching Angle 90	T1	T2	T3	N				
0								
270								
1								
0								
90								
180								

K400_T304_KG20_KF

Version: 86

F456



Special font settings:
0° Height: Numeric 4,5mm
270° Height: Numeric 4,5mmDon't shrink!

V840G-1

S1.V840G/A71/A2

Colour of F-handle ring: "A" black

Colour of face ring: "7" electro-grey

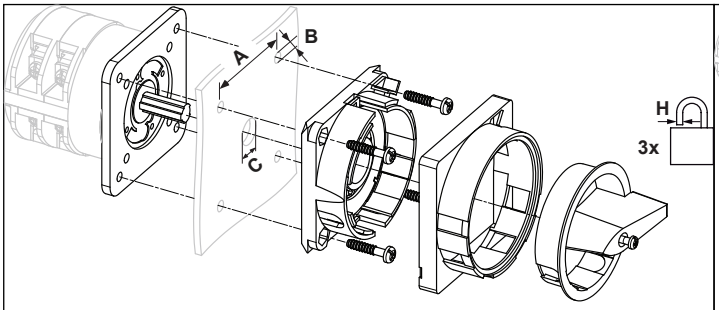
Locking position: "1" at 09:00 (1x90°)

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

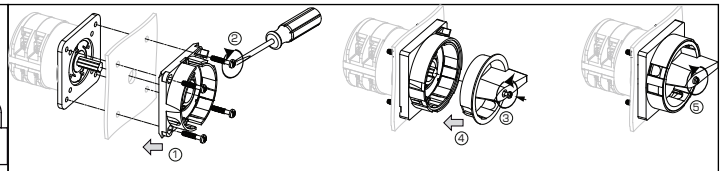
Switch type: "2" for KG- and KH(R)-switches

Sample image

V840G-1 PADLOCK DEVICE with F-handle ring S1.V840G/A71/A2



A	□ 48,00 mm	B	Ø 5,00 mm	C	Ø 15,00 mm
H	Ø 7,00 - 8,50 mm				



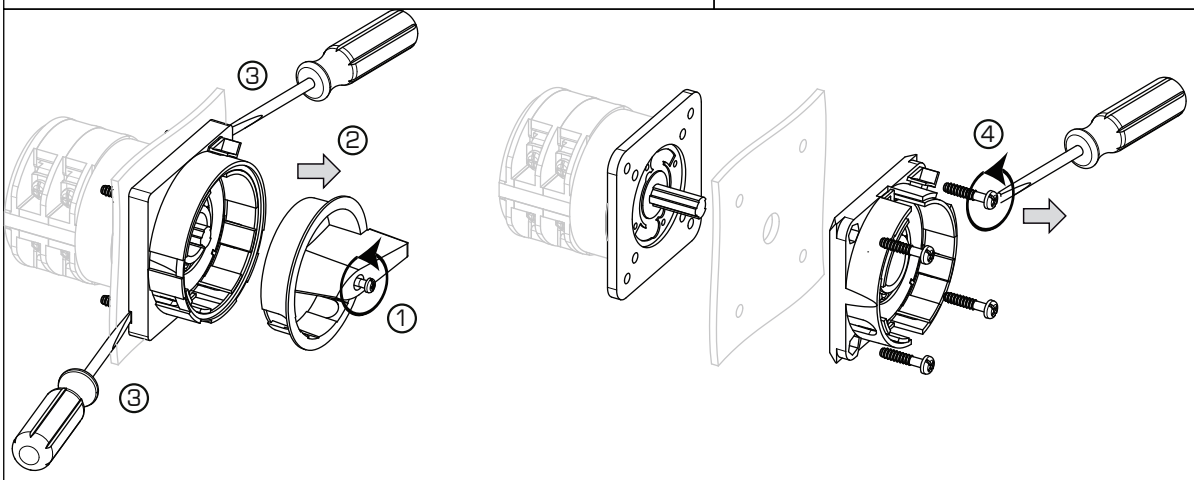
MOUNTING

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.



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 srew driver on the drawing and remove the frame.

4 Fixing screws can be loosen now.