Sample image

KG64

Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal
Contact development: T304
Type of mounting: VE
Reference number: KG64 T104/NL-EXBA KNBOX (70023933)

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*
63	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	63

Rated operational power

Utilization category	*Voltage (V)*	*No. of phases*	*No. of poles*	*Power (kW)*	*Current (A)*
AC-3	220 - 240	3	3	11	--
AC-3	380 - 440	3	3	18,50	35
AC-3	660 - 690	3	3	15	--
AC-23A	220 - 240	3	3	11	--
AC-23A	380 - 440	3	3	22	41
AC-23A	660 - 690	3	3	18,50	--

Max. Fuse rating IEC

Fuse characteristic	*No. of Fuses*	*Current (A)*
gG	1	63

UL60947-4-1 , UL508

Horsepower rating

Across-the-Line Motor Starting	*Voltage (V)*	*No. of phases*	*No. of poles*	*Power (HP)*	*Ambient temperature [°C]*
DOL	550 - 600	1	2	15	40

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 600V max., when protected by 70A Class J fuses.

Temp. rating of wire

Temperature rating (°C)	*Current (A)*	*Text*
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 insulation voltage Ui

Voltage (V)	*AC / DC*
600	AC

Rated thermal current

Current (A)	*Ambient temperature (°C)*	*Additional Text*
60	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	3	40

Horsepower rating					
Across-the-Line Motor Starting	*Voltage (V)*	*No. of phases*	*No. of poles*	*Power (HP)*	*Ambient temperature [°C]*
DOL	220 - 240	1	2	7,50	40
DOL	277 - 277	1	2	7,50	40
DOL	415 - 415	1	2	10	40
DOL	440 - 480	1	2	15	40
DOL	110 - 120	3	3	5	40
DOL	220 - 240	3	3	15	40
DOL	415 - 415	3	3	20	40
DOL	440 - 480	3	3	30	40
DOL	550 - 600	3	3	40	40

General Use					
AC / DC	*Voltage (V)*	*Current (A)*	*No. of phases*	*No. of poles*	*No. of contacts in series*
AC	277	60	1	1	1
AC	600	60	1	2	1
AC	600	60	3	3	1

CSA

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

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.	2	0.75mm²	Copper
Solid wire	Min.	1	1.5mm²	Copper
Flexible wire	Max.	1	AWG 6	Copper
Flexible wire	Min.	1	2.5mm²	Copper
Flexible wire	Max.	1	10mm²	Copper
Flexible wire	Min.	2	1.5mm²	Copper
Single-core or stranded wire	Max.	1	AWG 6	Copper
Single-core or stranded wire	Max.	1	16mm²	Copper
Flexible wire with sleeve	Max.	1	10mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.75mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	1.5mm²	Copper

Stripping length	
Length (mm)	--
12	

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)*
1,80	16

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.
- 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.

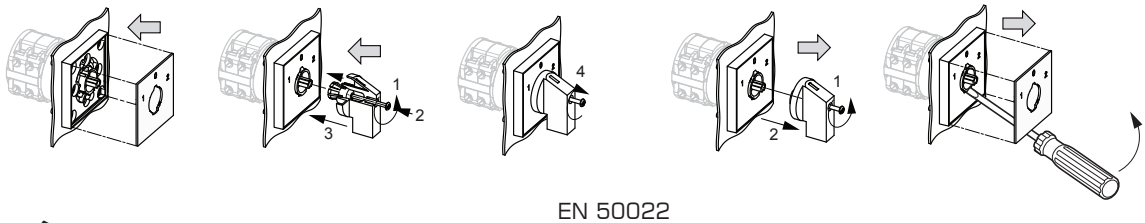
Waste Electrical & Electronic Equipment (WEEE)	
Picture name	*Description*
	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausnaimer.com

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.

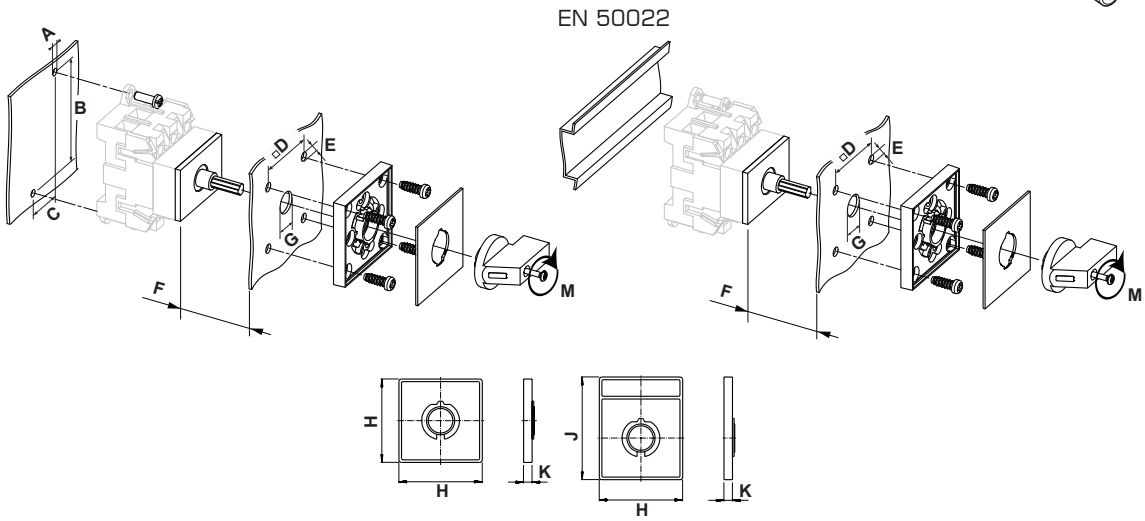
Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal

Mounting-VE

Mounting-VE



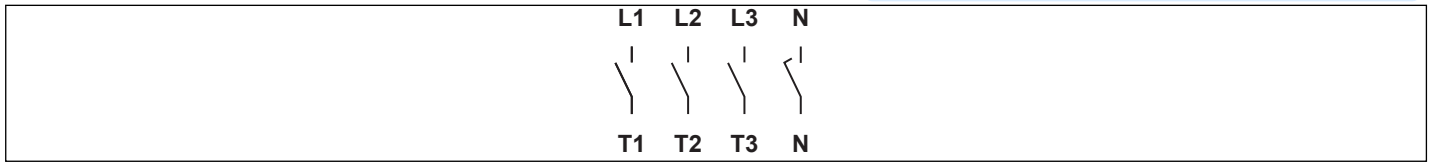
BF_KG20A_3_VE_FP



	IP - Code front side		IP40
	Stages		2,00 - 5,00
	A	Ø	4,10 mm
	B	H	70,00 mm
	B-_tol.	H	± 0,50 mm
	C	H	25,00 mm
	C-_tol.	H	± 0,50 mm
	D	□	36,00 mm
	E	Ø	5,00 mm
	F	H	<= 12,00 mm
	G	Ø	10,00 - 15,00 mm
	H	H	48,00 mm
	J	H	59,00 mm
	K	H	6,70 mm
	M	M	0,50 Nm

Wiring diagram

KG64.T304.VE



Sample image

H010-1

K1.H010/A11-VE

Kind of contact operation: "A" not overlapping

Contact combination: "11" 1 NO + 1 NC

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

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

Rated insulation voltage Ui

Voltage (V)	*AC / DC*
690	AC

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*
10	0 - 40	--

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	600	10	1	1	1

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.

CSA

Temp. rating of wire

Temperature rating (°C)	*Current (A)*	*Text*
75	--	only

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*
Flexible wire	Max.	2	2.5mm²	Copper
Flexible wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	AWG 12	Copper
Single-core or stranded wire	Max.	2	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm²	Copper

Stripping length

Length (mm)	--
8	

Recommended screw driver

Type of screw driver	*Value*
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,8x4

H010-1 LATERAL AUXILIARY CONTACTS for KG20 - KG317 and KH(R)16 - KH(R)25B
K1.H010/A11-VE

KG20 - KG100C