Sample image

KG32

Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal
Contact development: T304
Type of mounting: VE
Reference number: KG32 T104/NL-EXBA KNBOX (70022933)

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
32	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	32

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)	Current (A)
AC-3	220 - 240	3	3	5,50	--
AC-3	380 - 440	3	3	7,50	15,50
AC-3	660 - 690	3	3	7,50	--
AC-23A	220 - 240	3	3	5,50	--
AC-23A	380 - 440	3	3	11	22
AC-23A	660 - 690	3	3	11	--

Max. Fuse rating IEC

Fuse characteristic	No. of 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)	Ambient temperature [°C]
DOL	200 - 208	1	2	3	40
DOL	200 - 240	3	3	10	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 at 600V max., when protected by 40A 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
30	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	1,50	40
DOL	220 - 240	1	2	5	40
DOL	277 - 277	1	2	5	40
DOL	415 - 415	1	2	5	40
DOL	440 - 480	1	2	7,50	40
DOL	550 - 600	1	2	7,50	40
DOL	110 - 120	3	3	3	40
DOL	415 - 415	3	3	10	40
DOL	440 - 480	3	3	20	40
DOL	550 - 600	3	3	25	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	277	30	1	1	1
AC	600	30	1	2	1
AC	600	30	3	3	1

CSA

Horsepower rating					
Across-the-Line Motor Starting	*Voltage (V)*	*No. of phases*	*No. of poles*	*Power (HP)*	*Ambient temperature [°C]*
DOL	220 - 240	3	3	10	40

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.	1	0.75mm²	Copper
Solid wire	Min.	2	0.5mm²	Copper
Flexible wire	Min.	2	0.75mm²	Copper
Flexible wire	Max.	1	AWG 10	Copper
Flexible wire	Max.	1	4mm²	Copper
Flexible wire	Min.	1	1.5mm²	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
Flexible wire with ferrule according to DIN 46228	Min.	1	0.75mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²	Copper

Stripping length	
Length (mm)	--
9	

Recommended screw driver	
Type of screw driver	*Value*
Cross Screwdriver	PH2
Slot screwdriver according to DIN 5264	0,8x4

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

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.

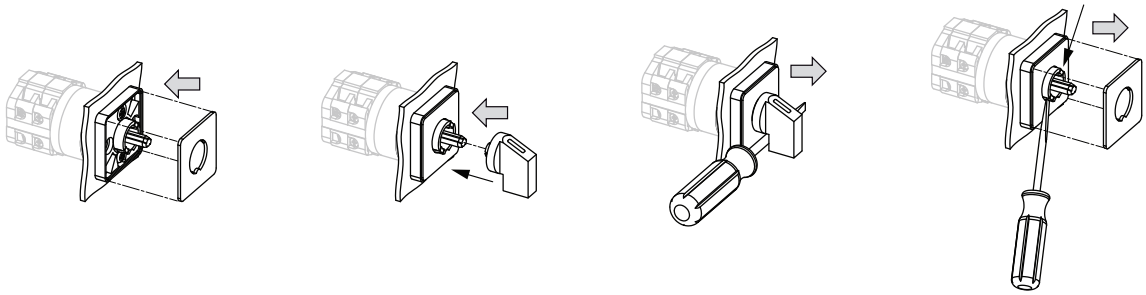
Waste Electrical & Electronic Equipment (WEEE)	
Picture name	*Description*
	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct 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.

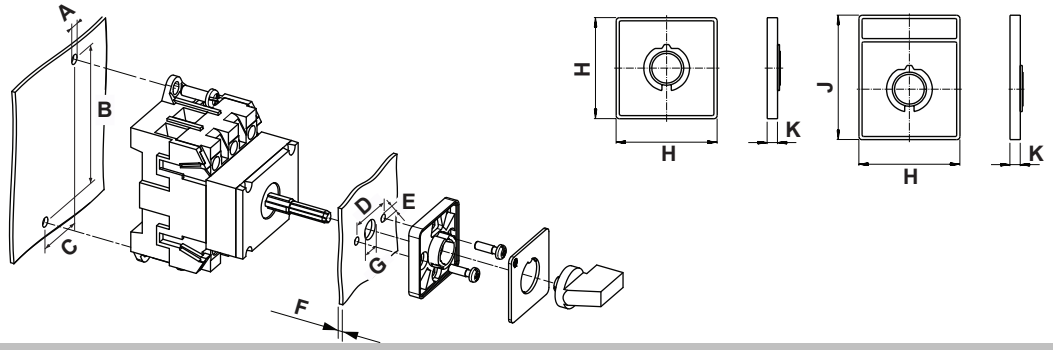
Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal

Mounting-VE

Mounting-VE



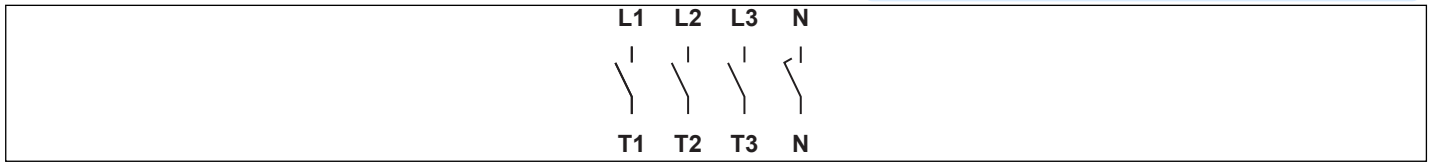
BF_KG20_VE_FP



	IP - Code front side		IP40
	Stages		1,00 - 5,00
	A	Ø	4,10 mm
	B	H	60,00 mm
	B-_tol.	H	± 0,50 mm
	C	H	22,00 mm
	C-_tol.	H	± 0,50 mm
	D	H	20,00 mm
	E	Ø	3,20 mm
	F	H	<= 12,00 mm
	G	Ø	8,00 - 11,00 mm
	H	H	30,00 mm
	J	H	39,00 mm
	K	H	5,50 mm

Wiring diagram

KG32.T304.VE



Sample image

H010-1

K0.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*
500	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	AWG 16	Copper
Flexible wire	Max.	2	1.5mm²	Copper
Single-core or stranded wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	1.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	1.5mm²	Copper

Stripping length

Length (mm)	--
6	

Recommended screw driver

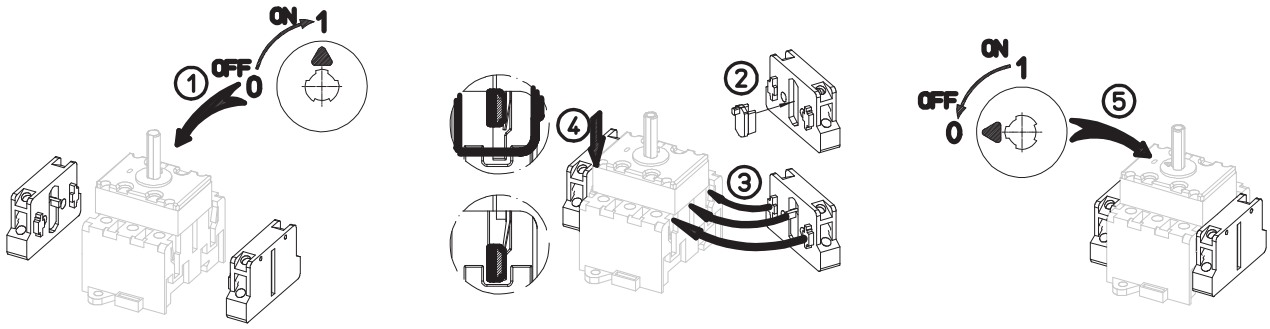
Type of screw driver	*Value*
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,6x3,5

Tightening torque of screws

tightening torque (Nm)	*tightening torque (lb-in)*
0,40	3,50

H010-1 LATERAL AUXILIARY CONTACTS for KG20 - KG317 and KH(R)16 - KH(R)25B
K0.H010/A11-VE

KG20 - KG100C



KH16 - KHR25B