Kraus & Naimer

KH20B

Type Size: S1
Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal

Sample image

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

Rated insulation voltage Ui

	Voltage (V)	AC / DC
	800	AC

Rated impulse withstand voltage Uimp

Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	Switch / Switch disconnector

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
20	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C

Conventional enclosed thermal current Ithe

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size
20	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	--	--	--

Rated operational current Ie

Utilization category	Voltage (V)	Current (A)
AC-20A	800	20
AC-21A	20 - 690	20
AC-22A	20 - 690	20

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	3,50
AC-3	380 - 440	3	3	6,50
AC-3	500 - 500	3	3	6,50
AC-3	660 - 690	3	3	6,50
AC-3	110 - 120	1	2	0,75
AC-3	220 - 240	1	2	2
AC-3	380 - 440	1	2	3,20
AC-3	500 - 500	1	2	4
AC-3	660 - 690	1	2	5
AC-23A	220 - 240	3	3	5,50
AC-23A	380 - 440	3	3	10
AC-23A	500 - 500	3	3	12
AC-23A	660 - 690	3	3	15
AC-23A	110 - 120	1	2	1,10
AC-23A	220 - 240	1	2	2,50
AC-23A	380 - 440	1	2	4,50
AC-23A	500 - 500	1	2	5,50
AC-23A	660 - 690	1	2	6

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	35

UL60947-4-1 , UL508

Rated insulation voltage Ui

	Voltage (V)	AC / DC
	600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
20	0 - 40	--

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.

GENERAL TECHNICAL INFORMATION

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
1,20	10

Rated short-time withstand current Icw

Time (s)	Current (A)
1	450

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 12	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

Approbations

Specification	Marking
CE marking	CE
UK Directives	
IEC 60947-3; EN 60947-3; VDE 0660 Teil107	**IEC 60947-3** **EN 60947-3**
UL 60947-4-1; CSA C22.2 No. 60947-4-1	c(UL)us LISTED 77B7

Power loss per pole

	Power (W)
	0,30

Conditions during transport and storing

Minimum temperature (°C)	Maximum temperature (°C)	additional requirements
-40	85	In case of temperatures below -5°C no shock load permissible

Shock / Vibration

Type of oscillation	Values
Resistance to vibration	IEC 61373 (1999) Category 1, Class B

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.

- 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.

- The protection class of the selected mounting type may vary if optional extras are used.

- 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.

Operating temperature

Min. Temperature [°C]	Max. Temperature [°C]
-5	55