



Sample image

KH63

Type Size: S1
Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal
IEC 60947-3 EN 60947-3, VDE 0660 Teil 107
Rated insulation voltage Ui

Voltage (V)	AC / DC
1000	AC

Rated impulse withstand voltage Uimp

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

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

Conventional enclosed thermal current Ithe

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size
63	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	1000	63
AC-21A	20 - 690	63
AC-22A	20 - 690	63

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	11
AC-3	380 - 440	3	3	22
AC-3	500 - 500	3	3	30
AC-3	660 - 690	3	3	18,50
AC-3	110 - 120	1	2	3,20
AC-3	220 - 240	1	2	7,50
AC-3	380 - 440	1	2	11
AC-3	500 - 500	1	2	15
AC-3	660 - 690	1	2	15
AC-23A	220 - 240	3	3	18,50
AC-23A	380 - 440	3	3	30
AC-23A	500 - 500	3	3	40
AC-23A	660 - 690	3	3	30
AC-23A	110 - 120	1	2	3,50
AC-23A	220 - 240	1	2	8,50
AC-23A	380 - 440	1	2	15
AC-23A	500 - 500	1	2	18,50
AC-23A	660 - 690	1	2	18,50

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	80

UL60947-4-1, UL508
Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
60	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)

3

27

Rated short-time withstand current Icw
Time (s)
Current (A)

1

1200

Size of conductor

<i>composition of conductor</i>	<i>Min. / Max. value</i>	<i>No. of conductor per terminal</i>	<i>Cross section (mm²) or (AWG/kcmil)</i>	<i>Material of the wire</i>
Solid wire	Min.	1	2.5mm ²	Copper
Flexible wire	Min.	1	4mm ²	Copper
Flexible wire	Max.	1	AWG 4	Copper
Flexible wire	Max.	1	25mm ²	Copper
Single-core or stranded wire	Max.	1	35mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 2	Copper
Flexible wire with sleeve	Max.	1	25mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm ²	Copper

Approbations
Specification
Marking

CE marking


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


Power loss per pole
Power (W)

1,50

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

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.
- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.

Operating temperature
Min. Temperature [°C]
Max. Temperature [°C]

-5

55