



Sample image

KH85

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

<i>Voltage (V)</i>	<i>AC / DC</i>
1000	AC

Rated impulse withstand voltage Uimp

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

Rated uninterrupted current Iu/Ith

<i>Current (A)</i>	<i>Ambient temperature (°C)</i>	<i>Peak temperature (°C)</i>	<i>additional requirements</i>
100	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C

Rated operational current Ie

<i>Utilization category</i>	<i>Voltage (V)</i>	<i>Current (A)</i>
AC-20A	690	100
AC-21A	20 - 690	100
AC-22A	20 - 690	100

Rated operational power

<i>Utilization category</i>	<i>Voltage (V)</i>	<i>No. of phases</i>	<i>No. of poles</i>	<i>Power (kW)</i>
AC-3	110 - 120	1	2	4
AC-3	220 - 240	1	2	10
AC-3	380 - 440	1	2	15
AC-3	500 - 500	1	2	18,50
AC-3	660 - 690	1	2	18,50
AC-23A	110 - 120	1	2	4,50
AC-23A	220 - 240	1	2	11
AC-23A	380 - 440	1	2	18,50
AC-23A	500 - 500	1	2	22
AC-23A	660 - 690	1	2	22

Max. Fuse rating IEC

<i>Fuse characteristic</i>	<i>No. of Fuses</i>	<i>Current (A)</i>
gG	1	100

GENERAL TECHNICAL INFORMATION
Tightening torque of screws

<i>tightening torque (Nm)</i>	<i>tightening torque (lb-in)</i>
3	27


Rated short-time withstand current Icw

<i>Time (s)</i>	<i>Current (A)</i>
1	1600

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>
Flexible wire	Max.	1	AWG 4	Copper
Flexible wire	Max.	1	25mm²	Copper
Single-core or stranded wire	Max.	1	35mm²	Copper
Single-core or stranded wire	Max.	1	AWG 2	Copper
Flexible wire with sleeve	Max.	1	25mm²	Copper

Approbations

<i>Specification</i>	<i>Marking</i>
CE marking	

Approbations		
<i>Specification</i>		<i>Marking</i>
UK Directives		
IEC 60947-3; EN 60947-3; VDE 0660 Teil107		IEC 60947-3 EN 60947-3
Power loss per pole		
		<i>Power (W)</i>
5		
Conditions during transport and storing		
<i>Minimum temperature (°C)</i>	<i>Maximum temperature (°C)</i>	<i>additional requirements</i>
-40	85	In case of temperatures below -5°C no shock load permissible
General Information		
<i>Text</i>		
<ul style="list-style-type: none"> - 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		
	<i>Min. Temperature [°C]</i>	<i>Max. Temperature [°C]</i>
	-5	60