



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

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
100	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C

Rated operational current Ie

Utilization category	Voltage (V)	Current (A)
AC-20A	690	100
AC-21A	20 - 690	100
AC-22A	20 - 690	100

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
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

Fuse characteristic	No. of Fuses	Current (A)
gG	1	100

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	1600

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 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

Specification	Marking
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CE marking





Approbations		
Specification		Marking
UK Directives		
IEC 60947-3; EN 60947-3; VDE 0660 Teil107		IEC 60947-3 EN 60947-3
Power loss per pole		
		Power (W)
		5
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		
<div>- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.</div> <div>- 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.</div> <div>- After wiring, ALL terminal screws must be tightened to the specified torque values.</div> <div>- The protection class of the selected mounting type may vary if optional extras are used.</div> <div>- Do not lubricate or treat contacts.</div> <div>- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.</div>		
Operating temperature		
Min. Temperature [°C]		Max. Temperature [°C]
-5		60