

## KG80C

Type Size: S2

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	
		880	DC	
Rated impulse withstand voltage Uimp				
Voltage (kV)	Overtoltage category	Pollution degree	Supply system	Function
8	III	3	--	Switch disconnecter
Rated uninterrupted current Iu/Ith				
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements	
80	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C	

### UL60947-4-1, UL508

Size of conductor					
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire	
Single-core or stranded wire	Max.	1	AWG1	Copper	
Single-core or stranded wire	Min.	1	AWG 10	Copper	
General Information					
Text					

- When intended for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position.

### GENERAL TECHNICAL INFORMATION

Tightening torque of screws				
		tightening torque (Nm)	tightening torque (lb-in)	
		3	27	
Rated short-time withstand current Icw				
			Current (A)	
			1600	
Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	1	35mm <sup>2</sup>	Copper
Flexible wire	Max.	1	AWG 2	Copper
Single-core or stranded wire	Max.	1	AWG 1/0	Copper
Single-core or stranded wire	Max.	1	50mm <sup>2</sup>	Copper
Flexible wire with sleeve	Max.	1	35mm <sup>2</sup>	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)

1,70

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