



Sample image

## KGD40

Type Size: S0

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  $U_i$** 

Voltage (V) AC / DC

1000 DC with 2 contacts/pole in series

**Rated impulse withstand voltage  $U_{imp}$** 

Voltage (kV)	Overtoltage category	Pollution degree	Supply system	Function
6	II	3	--	switch

**Rated uninterrupted current  $I_u$ /I<sub>th</sub>**

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

**Max Fuse Rating IEC**

Fuse characteristic	No. of Fuses	Current (A)
gG	1	50

### UL508i

**Rated insulation voltage  $U_i$** 

Voltage (V) AC / DC

600 DC with 2 contacts/pole in series

**Rated thermal current**

Current (A)	Ambient temperature (°C)	Additional Text
40	60	--

**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
stranded	Min.	1	AWG 14	Copper
stranded	Max.	1	AWG 8	Copper

### GENERAL TECHNICAL INFORMATION

**Tightening torque of screws**

tightening torque (Nm)	tightening torque (lb-in)
1,80	16



**Rated short-time withstand current  $I_{sw}$** 

Time (s)	Current (A)
1	500

**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	AWG 6	Copper
flexible wire	Max.	1	10mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	AWG 6	Copper
Single-core or stranded wire	Max.	1	16mm <sup>2</sup>	Copper
flexible wire with sleeve	Max.	1	10mm <sup>2</sup>	Copper

**Approbations**



Specification	Marking
EAC	
CE marking	

EAC



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	
GB/T14048.3	 GB/T14048.3	
UL508i		
Power loss per pole		
	<i>Power (W)</i>	
	1,50	
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"> <li>- Suitable for indoor or outdoor use in photovoltaic (PV) d.c. applications.</li> <li>- Do not lubricate or treat contacts.</li> <li>- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.</li> <li>- Use copper wire only. Do not coat the wire end with tin.</li> <li>- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.</li> </ul>		
Operating temperature		
	<i>Min. Temperature [°C]</i>	<i>Max. Temperature [°C]</i>
	-5	55