Kraus & Naimer

Datasheet

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 Ui

Voltage (V)	*AC / DC*
1000	DC with 2 contacts/pole in series

Rated impulse withstand voltage Uimp

Voltage (kV)	*Overvoltage category*	*Pollution degree*	*Supply system*	*Function*
6	II	3	--	Switch / Switch disconnector

Rated uninterrupted current Iu/Ith

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 Ui

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 (mm²) 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 Icw

Time (s)	*Current (A)*
1	500

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 6	Copper
Flexible wire	Max.	1	10mm²	Copper
Single-core or stranded wire	Max.	1	AWG 6	Copper
Single-core or stranded wire	Max.	1	16mm²	Copper
Flexible wire with sleeve	Max.	1	10mm²	Copper

Approbations

Specification	*Marking*
EAC	
CE marking	

Approbations	
Specification	*Marking*
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
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.
- Suitable for indoor or outdoor use in photovoltaic (PV) d.c. applications.
- 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	
Min. Temperature [°C]	*Max. Temperature [°C]*
-5	55