



Sample image

KG80

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			
			690	AC			
Rated impulse withstand voltage Uimp							
Voltage (kV)		Overvoltage category	Pollution degree	Supply system		Function	
6		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		
80		50		55	Ambient temperature +50°C during 24 hours with peaks up to +55°C		
Conventional enclosed thermal current Ithe							
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements		No. of stages (from - to)	Mounting	Mounting size
80	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C		--	--	--
Rated operational current Ie							
Utilization category				Voltage (V)		Current (A)	
AC-32A				20 - 400		80	
AC-20A				690		80	
AC-21A				20 - 690		80	
AC-22A				220 - 500		80	
AC-22A				660 - 690		65	
Rated operational power							
Utilization category			Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3			220 - 240	3	3	15	
AC-3			380 - 440	3	3	22	
AC-3			500 - 500	3	3	30	
AC-3			660 - 690	3	3	18,50	
AC-23A			220 - 240	3	3	18,50	
AC-23A			380 - 440	3	3	30	
AC-23A			500 - 500	3	3	37	
AC-23A			660 - 690	3	3	22	
Max Fuse Rating IEC							
Fuse characteristic				No. of Fuses		Current (A)	
gG				1		80	

UL60947-4-1, UL508

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		600	AC
Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	80	0 - 40	--
General Information			
Text			

- When intended for use as switch used in Photovoltaic applications the devices shall be provided with a method of being locked in the OFF-position.
- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.
- When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.

CSA
Rated insulation voltage UI

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
80	0 - 40	--

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
solid wire	Min.	1	2.5mm²	Copper
flexible wire	Min.	1	4mm²	Copper
flexible wire	Max.	1	35mm²	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	50mm²	Copper
flexible wire with sleeve	Max.	1	35mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm²	Copper

Approbations

Specification	Marking
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EAC



CE marking



UK Directives

Lloyd's Register EMEA



IEC 60947-3; EN 60947-3; VDE 0660 Teil107

IEC 60947-3
EN 60947-3

IEC 60947-6-1

IEC 60947-6-1
EN 60947-6-1

UL 60947-4-1; CSA C22.2 No. 60947-4-1



CSA C.22.2 No.14



GB/T14048.3



Russian Maritime Register of Shipping


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

Shock / Vibration

Type of oscillation	Values
Resistance to vibration	Min. 4g, 2-100Hz, 1,6mm
Resistance to shock	min. 6g, 6ms

General Information

Text

- EMC Note: This device is suitable for use in environment A and B.
- 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.
- Use copper wire only. Do not coat the wire end with tin.
- 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.
- For devices with lockable handles: the position of the handle of these devices shall be marked to guide proper operation.
- The "ON" and "OFF" position may be marked using the symbols "I" and "O" according IEC60417, Symbols 5007 and 5008.

Operating temperature

Min. Temperature [°C]

-5

Max. Temperature [°C]

55