

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)	Overtoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	switch

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 (mm ²) or (AWG/kcmil)	Material of the wire
solid wire	Min.	1	2.5mm ²	Copper
flexible wire	Min.	1	4mm ²	Copper
flexible wire	Max.	1	35mm ²	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 ²	Copper
flexible wire with sleeve	Max.	1	35mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm ²	Copper

Approbations	Marking
Specification	

EAC	
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CE marking	
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UK Directives	
Lloyd's Register EMEA	


IEC 60947-3; EN 60947-3; VDE 0660 Teil107	IEC 60947-3 EN 60947-3
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IEC 60947-6-1	IEC 60947-6-1 EN 60947-6-1
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UL 60947-4-1; CSA C22.2 No. 60947-4-1	 LISTED 7757
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CSA C.22.2 No.14	
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GB/T14048.3	 GB/T14048.3
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Russian Maritime Register of Shipping	
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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