

Sample image

## KG20

Type Size: S00

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
25	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
25	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	20
AC-20A	690	25
AC-21A	20 - 690	25
AC-22A	220 - 500	20
AC-22A	660 - 690	20

#### Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	4
AC-3	380 - 440	3	3	5,50
AC-3	500 - 500	3	3	5,50
AC-3	660 - 690	3	3	5,50
AC-3	220 - 240	1	2	2,20
AC-3	380 - 440	1	2	3,70
AC-23A	220 - 240	3	3	5,50
AC-23A	380 - 440	3	3	7,50
AC-23A	500 - 500	3	3	7,50
AC-23A	660 - 690	3	3	7,50
AC-23A	220 - 240	1	2	3
AC-23A	380 - 440	1	2	5

#### Max Fuse Rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	35

### UL60947-4-1 , UL508

#### Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

#### Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
25	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.

**General Information**

**Text**

- 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
	25	0 - 40	-

**GENERAL TECHNICAL INFORMATION**

Tightening torque of screws			
	tightening torque (Nm)	tightening torque (lb-in)	
	1,25	11	
Rated short-time withstand current Icw			
	Time (s)	Current (A)	
	1	350	

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
solid wire	Min.	1	0.75mm <sup>2</sup>	Copper
solid wire	Min.	2	0.5mm <sup>2</sup>	Copper
flexible wire	Min.	2	0.75mm <sup>2</sup>	Copper
flexible wire	Max.	1	AWG 10	Copper
flexible wire	Max.	1	4mm <sup>2</sup>	Copper
flexible wire	Min.	1	1.5mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	6mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
flexible wire with sleeve	Max.	1	4mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	0.75mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm <sup>2</sup>	Copper

**Approbations**

Specification	Marking
EAC	
CE marking	
UK Directives	
Lloyd's Register EMEA	

IEC 60947-3; EN 60947-3; VDE 0660 Teil107	<b>IEC 60947-3 EN 60947-3</b>
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UL 60947-4-1; CSA C22.2 No. 60947-4-1	
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CSA C.22.2 No.14	
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GB/T14048.3	
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Russian Maritime Register of Shipping	
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Power loss per pole	
	Power (W)
	0,70

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]	Max. Temperature [°C]
	-5	55