

Sample image

# KG100

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		
Rated uninterrupted current Iu/Ith						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
100	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
100	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		100			
AC-20A	690		100			
AC-21A	20 - 690		100			
AC-22A	220 - 500		100			
AC-22A	660 - 690		85			
Rated operational power						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3	220 - 240	3	3	18,50		
AC-3	380 - 440	3	3	30		
AC-3	500 - 500	3	3	37		
AC-3	660 - 690	3	3	22		
AC-23A	220 - 240	3	3	22		
AC-23A	380 - 440	3	3	37		
AC-23A	500 - 500	3	3	45		
AC-23A	660 - 690	3	3	30		
Max Fuse Rating IEC						
Fuse characteristic	No. of Fuses		Current (A)			
gG	1		100			

## UL60947-4-1, UL508

Rated insulation voltage Ui		Voltage (V)		AC / DC
		600	AC	
Rated thermal current				
Current (A)	Ambient temperature (°C)	Additional Text		
100	0 - 40	--		

### 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	
100	0 - 40	-	

### GENERAL TECHNICAL INFORMATION

Tightening torque of screws		
	tightening torque (Nm)	tightening torque (lb-in)
	3	27

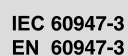
Rated short-time withstand current Icw		
	Time (s)	Current (A)
	1	1850

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	2.5mm <sup>2</sup>	Copper
flexible wire	Min.	1	4mm <sup>2</sup>	Copper
flexible wire	Max.	1	35mm <sup>2</sup>	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 <sup>2</sup>	Copper
flexible wire with sleeve	Max.	1	35mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm <sup>2</sup>	Copper

Approbations	
Specification	Marking

EAC 


CE marking 

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

IEC 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)
	2,40

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.

**General Information***Text*

- 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.

**Operating temperature***Min. Temperature [°C]*

-5

*Max. Temperature [°C]*

55



# SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product manufacturers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

# [www.scatts.co.uk](http://www.scatts.co.uk)