



Sample image

## KG100CT

Type Size: S2

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 disconnector		
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-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 disconnector the device shall be provided with a method of being locked in the OFF-position.

### GENERAL TECHNICAL INFORMATION

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

Rated short-time withstand current I <sub>sc</sub>				
Time (s)				Current (A)
1				1850
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	35mm²	Copper
Flexible wire	Max.	1	AWG 2	Copper
Single-core or stranded wire	Min.	1	AWG 10	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
Approbations				
Specification				Marking
CE marking				
UK Directives				
IEC 60947-3; EN 60947-3; VDE 0660 Teil107				<b>IEC 60947-3</b> <b>EN 60947-3</b>
UL 60947-4-1; CSA C22.2 No. 60947-4-1				
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				
<div>- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.</div> <div>- 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.</div> <div>- After wiring, ALL terminal screws must be tightened to the specified torque values.</div> <div>- The protection class of the selected mounting type may vary if optional extras are used.</div> <div>- Do not lubricate or treat contacts.</div> <div>- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.</div>				
Operating temperature				
Min. Temperature [°C]			Max. Temperature [°C]	
-5			55	