



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	50/60Hz				
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

Rated short-time withstand current Icw		
		Current (A)
		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	
Recommended screw driver					
Type of screw driver		Value			
Torx - Screwdriver		T20			
Tightening torque of screws					
			tightening torque (Nm)		tightening torque (lb-in)
			3		27

Approbations	
Specification	Marking
CE marking	
UK Directives	

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

IEC 60947-3
EN 60947-3

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	

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- 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.
- After wiring, ALL terminal screws must be tightened to the specified torque values.
- The protection class of the selected mounting type may vary if optional extras are used.
- 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.

Operating temperature		
Min. Temperature [°C]	Max. Temperature [°C]	
-5	55	