

Sample image

## KG105

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 / Switch disconnector
Rated uninterrupted current Iu/Ith						
Current (A)		Ambient temperature (°C)		Peak temperature (°C)	additional requirements	
125		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
125	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		125
AC-20A				690		125
AC-21A				20 - 690		125
AC-22A				220 - 500		125
AC-22A				660 - 690		90
Rated operational power						
Utilization category			Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3			220 - 240	3	3	22
AC-3			380 - 440	3	3	37
AC-3			500 - 500	3	3	45
AC-3			660 - 690	3	3	22
AC-23A			220 - 240	3	3	25
AC-23A			380 - 440	3	3	45
AC-23A			500 - 500	3	3	55
AC-23A			660 - 690	3	3	30
Max. Fuse rating IEC						
Fuse characteristic				No. of Fuses		Current (A)
gG				1		125

### UL60947-4-1, UL508

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		600	AC
Rated thermal current			
		Current (A)	Ambient temperature (°C)
		125	0 - 40
		115	0 - 40
Additional Text			
ON-OFF switch (Valid when connected with wire rated for 75°C)			
Change over switch (Valid when connected with wire rated for 75°C)			


### 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>cw</sub>				
			Time (s)	Current (A)
			1	2000
Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Solid wire	Min.	1	2.5mm²	Copper
Flexible wire	Min.	1	4mm²	Copper
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
Flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm²	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>
IEC 60947-6-1				<b>IEC 60947-6-1</b> <b>EN 60947-6-1</b>
UL 60947-4-1; CSA C22.2 No. 60947-4-1				
Russian Maritime Register of Shipping				
Power loss per pole				
				Power (W)
				3,80
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>- EMC Note: This device is suitable for use in environment A and B.</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	