

Sample image

KG105C

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 disconnecter

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	Mounting size
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)	Additional Text
125	0 - 40	ON-OFF switch (Valid when connected with wire rated for 75°C)
115	0 - 40	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.

General Information					
<i>Text</i>					
- When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.					
GENERAL TECHNICAL INFORMATION					
Tightening torque of screws					
		<i>tightening torque (Nm)</i>		<i>tightening torque (lb-in)</i>	
		3		27	
Rated short-time withstand current Icw					
		<i>Time (s)</i>		<i>Current (A)</i>	
		1		2000	
Size of conductor					
<i>composition of conductor</i>	<i>Min. / Max. value</i>	<i>No. of conductor per terminal</i>	<i>Cross section (mm²) or (AWG/kcmil)</i>	<i>Material of the wire</i>	
Flexible wire	Max.	1	35mm ²	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 ²	Copper	
Flexible wire with sleeve	Max.	1	35mm ²	Copper	
Approbations					
<i>Specification</i>					<i>Marking</i>
EAC					
CE marking					
UK Directives					
IEC 60947-3; EN 60947-3; VDE 0660 Teil107					IEC 60947-3 EN 60947-3
IEC 60947-6-1					IEC 60947-6-1 EN 60947-6-1
UL 60947-4-1; CSA C22.2 No. 60947-4-1					
GB/T14048.3					
Russian Maritime Register of Shipping					
Power loss per pole					
					<i>Power (W)</i>
					3,80
Conditions during transport and storing					
<i>Minimum temperature (°C)</i>		<i>Maximum temperature (°C)</i>		<i>additional requirements</i>	
-40		85		In case of temperatures below -5°C no shock load permissible	
Shock / Vibration					
<i>Type of oscillation</i>		<i>Values</i>			
Resistance to vibration		Min. 4g, 2-100Hz, 1,6mm			
Resistance to shock		min. 6g, 6ms			
General Information					
<i>Text</i>					
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.					
- EMC Note: This device is suitable for use in environment A and B.					
- 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					
<i>Min. Temperature [°C]</i>		<i>Max. Temperature [°C]</i>			
-5		55			