



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	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)
		125	0 - 40
		115	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.

General Information	
Text	

- 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 I _{cw}	
<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>	
solid wire	Min.	1	2.5mm ²	Copper	
flexible wire	Min.	1	4mm ²	Copper	
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	
flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm 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	
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.

- 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	
<i>Min. Temperature [°C]</i>	<i>Max. Temperature [°C]</i>
-5	55