



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  $U_i$** 

Voltage (V)	AC / DC
690	AC

**Rated impulse withstand voltage  $U_{imp}$** 

Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	switch

**Rated uninterrupted current  $I_u/I_{th}$** 

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  $I_{the}$** 

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  $I_e$** 

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  $U_i$** 

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.

- 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		
	tightening torque (Nm)	tightening torque (lb-in)
	3	27

Rated short-time withstand current Icw		
	Time (s)	Current (A)
	1	2000

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire
solid wire	Min.	1	2.5mm <sup>2</sup>	Copper
flexible wire	Min.	1	4mm <sup>2</sup>	Copper
flexible wire	Max.	1	35mm <sup>2</sup>	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 <sup>2</sup>	Copper
flexible wire with sleeve	Max.	1	35mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm <sup>2</sup>	Copper

Approbations	
Specification	Marking

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**
**Power (W)**

3,80

**Conditions during transport and storing**

Minimum temperature (°C)

-40

Maximum temperature (°C)

85

additional requirements

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

- 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**

Min. Temperature [°C]

-5

Max. Temperature [°C]

55