



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 / Switch disconnecter

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 low	
Time (s)	Current (A)
1	2000

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm ²) or (AWG/kcmil)	Material of the wire
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	Min.	1	AWG 10	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	
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
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UL 60947-4-1; CSA C22.2 No. 60947-4-1	
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GB/T14048.3	
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Russian Maritime Register of Shipping	
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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	
- 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	
Min. Temperature [°C]	Max. Temperature [°C]
-5	55