

Sample image

KG100

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 disconnecter

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
100	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
100	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	100
AC-20A	690	100
AC-21A	20 - 690	100
AC-22A	220 - 500	100
AC-22A	660 - 690	85

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	18,50
AC-3	380 - 440	3	3	30
AC-3	500 - 500	3	3	37
AC-3	660 - 690	3	3	22
AC-23A	220 - 240	3	3	22
AC-23A	380 - 440	3	3	37
AC-23A	500 - 500	3	3	45
AC-23A	660 - 690	3	3	30

Max Fuse Rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	100

UL60947-4-1, UL508

Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
100	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.

- When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.

CSA

Rated insulation voltage UI	Voltage (V)	AC / DC
	600	AC

Rated thermal current	Current (A)	Ambient temperature (°C)	Additional Text
	100	0 - 40	-

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	1850

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	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
---------------	---

UL 60947-4-1; CSA C22.2 No. 60947-4-1	
---------------------------------------	---

CSA C.22.2 No.14	
------------------	---

GB/T14048.3	
-------------	---

Russian Maritime Register of Shipping	
---------------------------------------	---

Power loss per pole	Power (W)
	2,40

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
- EMC Note: This device is suitable for use in environment A and B.

General Information**Text**

- 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