



# KG10

Type Size: S0

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Sample image

## 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)	Overtoltage category	Pollution degree	Supply system	Function
4	II	3	Valid for lines with grounded common neutral termination	switch

### Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
20	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
20	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-15	220 - 240	6
AC-15	380 - 440	4
AC-20A	690	20
AC-21A	20 - 690	20
AC-22A	220 - 500	20
AC-22A	660 - 690	16

### Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	2,20
AC-3	380 - 440	3	3	3,70
AC-3	500 - 500	3	3	3,70
AC-3	660 - 690	3	3	3,70
AC-3	220 - 240	1	2	1,10
AC-3	380 - 440	1	2	1,50
AC-23A	220 - 240	3	3	3
AC-23A	380 - 440	3	3	5,50
AC-23A	500 - 500	3	3	5,50
AC-23A	660 - 690	3	3	5,50
AC-23A	220 - 240	1	2	1,50
AC-23A	380 - 440	1	2	2,20

### Max Fuse Rating IEC

Fuse characteristic	Numb Fuses	Current (A)
gG	1	20

## UL60947-4-1, UL508

### Rated insulation voltage Ui

Voltage (V)	AC / DC
300	AC

### Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
20	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.

**CSA**
**Rated insulation voltage Ui**
*Voltage (V) AC / DC*

300 AC

**Rated thermal current**
*Current (A)*

20

*Ambient temperature (°C)*

0 - 40

*Additional Text*

-

**GENERAL TECHNICAL INFORMATION**
**Tightening torque of screws**
*tightening torque (Nm)*

0,60

*tightening torque (lb-in)*

5

**Rated short-time withstand current Icw**
*Time (s)*

1

*Current (A)*

130

**Size of conductor**

<i>composition of conductor</i>	<i>Min. / Max. value</i>	<i>No. of conductor per terminal</i>	<i>Cross section (mm<sup>2</sup>) or (AWG/kcmil)</i>	<i>Material of the wire</i>
solid wire	Min.	1	0.5mm <sup>2</sup>	Copper
solid wire	Min.	2	0.5mm <sup>2</sup>	Copper
flexible wire	Min.	1	0.75mm <sup>2</sup>	Copper
flexible wire	Min.	2	0.75mm <sup>2</sup>	Copper
flexible wire	Max.	1	AWG 12	Copper
flexible wire	Max.	1	2.5mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	AWG 12	Copper
Single-core or stranded wire	Max.	1	2.5mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Max.	1	2.5mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm <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**

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



CSA C.22.2 No.14



GB/T14048.3


**Power loss per pole**
*Power (W)*

0,90

**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

**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.

**General Information***Text*

- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.

**Operating temperature***Min. Temperature [°C]*

-5

*Max. Temperature [°C]*

55