



Sample image

KG10B

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)	Overtoltage category	Pollution degree	Supply system	Function
4	II	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
20	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
20	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-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	No. of Fuses	Current (A)
gG	1	20

UL60947-4-1, UL508

Rated insulation voltage U_i

Voltage (V)	AC / DC
300	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
20	0 - 40	--
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)	Ambient temperature (°C)	Additional Text
20	0 - 40	--
20	0 - 40	--

GENERAL TECHNICAL INFORMATION
Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
0,60	5

Rated short-time withstand current Icw

Time (s)	Current (A)
1	130

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	0.5mm ²	Copper
Solid wire	Min.	2	0.5mm ²	Copper
Flexible wire	Min.	1	0.75mm ²	Copper
Flexible wire	Min.	2	0.75mm ²	Copper
Flexible wire	Max.	1	AWG 12	Copper
Flexible wire	Max.	1	2.5mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 12	Copper
Single-core or stranded wire	Max.	1	2.5mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	1	2.5mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm ²	Copper

Approbations
Specification
Marking
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


Power loss per pole

Power (W)

0,90

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

IEC 61373 (1999) Category 1, Class B

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.
- 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.

General Information*Text*

- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.
- 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]*

-25

Max. Temperature [°C]

55