

Sample image

# KG315

**Type Size: S2**
**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
1000	AC

**Rated impulse withstand voltage Uimp**

Voltage (kV)	Oversvoltage category	Pollution degree	Supply system	Function
8	III	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
315	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
315	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-20A	1000	315
AC-21A	20 - 690	315
AC-22A	220 - 500	250
AC-22A	660 - 690	140

**Rated operational power**

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	45
AC-3	380 - 440	3	3	75
AC-3	500 - 500	3	3	90
AC-3	660 - 690	3	3	45
AC-23A	220 - 240	3	3	55
AC-23A	500 - 500	3	3	132
AC-23A	380 - 440	3	3	110
AC-23A	660 - 690	3	3	45

**Max Fuse Rating IEC**

Fuse characteristic	No. of Fuses	Current (A)
gG	1	315

**UL60947-4-1, UL508**
**Rated insulation voltage Ui**

Voltage (V)	AC / DC
600	AC

**Rated thermal current**

Current (A)	Ambient temperature (°C)	Additional Text
300	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.

**CSA**
**Rated insulation voltage Ui**

Voltage (V)	AC / DC
600	AC

Rated thermal current			
Current (A)	Ambient temperature (°C)	Additional Text	
300	0 - 40	-	

**GENERAL TECHNICAL INFORMATION**


Tightening torque of screws	
tightening torque (Nm)	tightening torque (lb-in)
16	140

Rated short-time withstand current Icw	
Time (s)	Current (A)
1	5800

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	16mm <sup>2</sup>	Copper
flexible wire	Max.	1	MCM 300	Copper
flexible wire	Max.	1	150mm <sup>2</sup>	Copper
flexible wire	Min.	1	25mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	185mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	MCM 350	Copper
flexible wire with sleeve	Max.	1	120mm <sup>2</sup>	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	16mm <sup>2</sup>	Copper

Approbations	
Specification	Marking

EAC	
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CE marking	
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UK Directives	
IEC 60947-3; EN 60947-3; VDE 0660 Teil107	<b>IEC 60947-3 EN 60947-3</b>

UL 60947-4-1; CSA C22.2 No. 60947-4-1	
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CSA C.22.2 No.14	
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GB/T14048.3	
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Power loss per pole	
Power (W)	
12,70	

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

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]	Max. Temperature [°C]
-5	55