



Sample image

KG80

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		50/60Hz		
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 disconnector		
Rated uninterrupted current Iu/Ith						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
80	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
80	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		80	
AC-20A			690		80	
AC-21A			20 - 690		80	
AC-22A			220 - 500		80	
AC-22A			660 - 690		65	
Rated operational power						
Utilization category		Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3		220 - 240	3	3	15	
AC-3		380 - 440	3	3	22	
AC-3		500 - 500	3	3	30	
AC-3		660 - 690	3	3	18,50	
AC-23A		220 - 240	3	3	18,50	
AC-23A		380 - 440	3	3	30	
AC-23A		500 - 500	3	3	37	
AC-23A		660 - 690	3	3	22	
Max. Fuse rating IEC						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		80	

UL60947-4-1, UL508

Rated insulation voltage Ui				
		Voltage (V)	AC / DC	
		600	AC	
Rated thermal current				
Current (A)		Ambient temperature (°C)		Additional Text
80		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 disconnector 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
	80	0 - 40	–

GENERAL TECHNICAL INFORMATION

Tightening torque of screws		
	tightening torque (Nm)	tightening torque (lb-in)
	3	27

Rated short-time withstand current I _{cw}		
	Time (s)	Current (A)
	1	1600

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

CE marking



UK Directives

Lloyd's Register EMEA



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



Russian Maritime Register of Shipping



Power loss per pole	
	Power (W)
	1,70

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

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