



Sample image

KG160

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	50/60Hz			
Rated impulse withstand voltage Uimp						
Voltage (kV)	Overvoltage category	Pollution degree	Supply system			Function
8	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		
160	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
160	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		160	
AC-20A			1000		160	
AC-21A			20 - 690		160	
AC-22A			220 - 500		160	
AC-22A			660 - 690		100	
Rated operational power						
Utilization category		Voltage (V)	No. of phases	No. of poles		Power (kW)
AC-3		220 - 240	3	3		30
AC-3		380 - 440	3	3		45
AC-3		500 - 500	3	3		55
AC-3		660 - 690	3	3		37
AC-23A		220 - 240	3	3		30
AC-23A		380 - 440	3	3		55
AC-23A		500 - 500	3	3		75
AC-23A		660 - 690	3	3		37
Max. Fuse rating IEC						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		160	

UL60947-4-1, UL508

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		600	AC
Rated thermal current			
		Current (A)	Ambient temperature (°C)
		200	0 - 40
		160	0 - 40
Additional Text			
ON-OFF switch (Valid when connected with wire rated for 75°C)			
Change over switch (Valid when connected with wire rated for 75°C)			

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
200		0 - 40		–
GENERAL TECHNICAL INFORMATION				
Tightening torque of screws				
tightening torque (Nm)			tightening torque (lb-in)	
14			125	
Rated short-time withstand current I _{cs}				
Time (s)			Current (A)	
1			3000	
Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Solid wire	Min.	1	6mm²	Copper
Flexible wire	Max.	1	70mm²	Copper
Flexible wire	Min.	1	16mm²	Copper
Flexible wire	Max.	1	AWG 2/0	Copper
Single-core or stranded wire	Max.	1	95mm²	Copper
Single-core or stranded wire	Max.	1	AWG 3/0	Copper
Flexible wire with sleeve	Max.	1	70mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	10mm²	Copper
Approbations				
Specification			Marking	
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				
Power loss per pole				
				Power (W)
				5
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				
- 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	