Kraus & Naimer

Datasheet

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	AC

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 disconnector

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)	Additional Text
200	0 - 40	ON-OFF switch (Valid when connected with wire rated for 75°C)
160	0 - 40	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 Icw

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
EAC	
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	
GB/T14048.3	

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