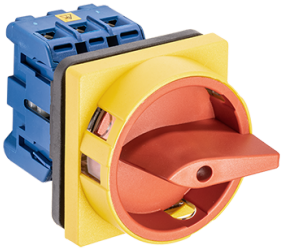
Kraus & Naimer

Datasheet



Sample image

KG20

Type Size: S00

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
25	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
25	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	20
AC-20A	690	25
AC-21A	20 - 690	25
AC-22A	220 - 500	20
AC-22A	660 - 690	20

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	4
AC-3	380 - 440	3	3	5,50
AC-3	500 - 500	3	3	5,50
AC-3	660 - 690	3	3	5,50
AC-3	220 - 240	1	2	2,20
AC-3	380 - 440	1	2	3,70
AC-23A	220 - 240	3	3	5,50
AC-23A	380 - 440	3	3	7,50
AC-23A	500 - 500	3	3	7,50
AC-23A	660 - 690	3	3	7,50
AC-23A	220 - 240	1	2	3
AC-23A	380 - 440	1	2	5

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	35

UL60947-4-1 , UL508

Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
25	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 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*
25	0 - 40	--

GENERAL TECHNICAL INFORMATION

Rated short-time withstand current Icw	
Time (s)	*Current (A)*
1	350

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	0.75mm²	Copper
Solid wire	Min.	2	0.5mm²	Copper
Flexible wire	Min.	2	0.75mm²	Copper
Flexible wire	Max.	1	AWG 10	Copper
Flexible wire	Max.	1	4mm²	Copper
Flexible wire	Min.	1	1.5mm²	Copper
Single-core or stranded wire	Max.	1	6mm²	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
Flexible wire with sleeve	Max.	1	4mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.75mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²	Copper

Recommended screw driver	
Type of screw driver	*Value*
Cross Screwdriver	PH2
Slot screwdriver according to DIN 5264	0,8x4

Tightening torque of screws	
tightening torque (Nm)	*tightening torque (lb-in)*
1,25	11

Approbations	
Specification	*Marking*
CE marking	CE
UK Directives	UKCA
Lloyd´s Register EMEA	Lloyd's Register
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	c UL us LISTED 77B7
CSA C.22.2 No.14	SP®
GB/T14048.3	GB/T14048.3

Power loss per pole
Power (W)
0,70

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
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.
- 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