Kraus & Naimer

Sample image

KF32B

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	AC

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
32	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
32	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-21A	20 - 690	32
AC-22A	20 - 690	32

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	5,50
AC-3	380 - 440	3	3	11
AC-3	500 - 500	3	3	11
AC-3	660 - 690	3	3	11
AC-3	110 - 120	1	2	1,50
AC-3	220 - 240	1	2	3
AC-3	380 - 440	1	2	5,50
AC-3	500 - 500	1	2	7,50
AC-3	660 - 690	1	2	8,50
AC-23A	220 - 240	3	3	9
AC-23A	380 - 440	3	3	16
AC-23A	500 - 500	3	3	20
AC-23A	660 - 690	3	3	22
AC-23A	110 - 120	1	2	2
AC-23A	220 - 240	1	2	4,20
AC-23A	380 - 440	1	2	7,50
AC-23A	500 - 500	1	2	9
AC-23A	660 - 690	1	2	9

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
30	0 - 40	--

General Information

Text

- Warning! The opening of the branch-circuit protective device may be an indication that a fault current has been interrupted. To reduce the risk of fire or electric shock, current-carrying parts and other components of the controller should be examined and replaced if damaged. If burnout of the current element of an overload relay occurs, the complete overload relay must be replaced.

- When intended for use as a motor disconnector the device shall be provided with a method of being locked in the OFF-position.

GENERAL TECHNICAL INFORMATION

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
1,25	11

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
Flexible wire	Max.	1	AWG 10	Copper
Flexible wire	Max.	1	4mm²	Copper
Flexible wire	Min.	1	AWG 18	Copper
Flexible wire	Min.	1	0.5mm²	Copper
Single-core or stranded wire	Max.	1	6mm²	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
Single-core or stranded wire	Min.	1	AWG 18	Copper
Single-core or stranded wire	Min.	1	0.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	1	4mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²	Copper

Approbations

Specification	Marking
CE marking	CE
UK Directives	
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

Power loss per pole

Power (W)
0,90

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.

- 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