



Sample image

KA40

Type Size: S0

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
40	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
40	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-20A	690	40
AC-21A	20 - 690	40
AC-22A	220 - 500	40
AC-22A	660 - 690	40

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	7,50
AC-3	380 - 440	3	3	15
AC-3	500 - 500	3	3	15
AC-3	660 - 690	3	3	15
AC-23A	220 - 240	3	3	11
AC-23A	380 - 440	3	3	20
AC-23A	500 - 500	3	3	25
AC-23A	660 - 690	3	3	25

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	50

UL60947-4-1, UL508

Rated insulation voltage Ui

Voltage (V) AC / DC

600 AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
42	0 - 40	--

General Information

Text

- Use fuses only

- 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 shall be examined and replaced if damaged. AVERTISSEMENT: Le déclenchement du dispositif de protection de la dérivation peut signifier qu'un courant de fuite a été interrompu. Pour réduire les risques d'incendie et de choc électrique, les pièces porteuses de courant et autres pièces de la commande doivent être examinées et remplacées au besoin.

GENERAL TECHNICAL INFORMATION

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
2	18

Rated short-time withstand current I _{cw}				
Time (s)				Current (A)
1				850
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
Flexible wire	Max.	1	AWG 6	Copper
Flexible wire	Min.	1	4mm ²	Copper
Flexible wire	Max.	1	16mm ²	Copper
Flexible wire	Min.	1	AWG 14	Copper
Single-core or stranded wire	Min.	1	2.5mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 4	Copper
Single-core or stranded wire	Min.	1	AWG 14	Copper
Single-core or stranded wire	Max.	1	25mm ²	Copper
Flexible wire with sleeve	Min.	1	2.5mm ²	Copper
Flexible wire with sleeve	Max.	1	16mm 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
UL 60947-4-1; CSA C22.2 No. 60947-4-1				
CSA C.22.2 No.14				
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	
Shock / Vibration				
Type of oscillation		Values		
Resistance to vibration		Min. 4g, 2-100Hz, 1,6mm		
Resistance to shock		min. 5g, 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. - 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	