



Sample image

## KA40T

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	
			6	III		
Rated uninterrupted current Iu/Ith			Current (A)		Ambient temperature (°C)	
			40	50		
Conventional enclosed thermal current Ithe			Current (A)		Ambient temperature (°C)	
			40	35		
Rated operational current Ie			Utilization category		Voltage (V)	
			AC-20A	690		
			AC-21A	20 - 690		
			AC-22A	220 - 500		
			AC-22A	660 - 690		
Rated operational power			Utilization category		Voltage (V)	
			AC-3	220 - 240		
			AC-3	380 - 440		
			AC-3	500 - 500		
			AC-3	660 - 690		
			AC-23A	220 - 240		
			AC-23A	380 - 440		
			AC-23A	500 - 500		
			AC-23A	660 - 690		
Max. Fuse rating IEC			Fuse characteristic		No. of Fuses	
			gG	1		

### UL60947-4-1, UL508

Rated insulation voltage Ui		Voltage (V)		AC / DC		
		600	AC			
Rated thermal current			Current (A)		Ambient temperature (°C)	
			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 low	
Time (s)	Current (A)
1	850

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	1	AWG 6	Copper
Flexible wire	Min.	1	4mm <sup>2</sup>	Copper
Flexible wire	Max.	1	16mm <sup>2</sup>	Copper
Flexible wire	Min.	1	AWG 14	Copper
Single-core or stranded wire	Min.	1	2.5mm <sup>2</sup>	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 <sup>2</sup>	Copper
Flexible wire with sleeve	Min.	1	2.5mm <sup>2</sup>	Copper
Flexible wire with sleeve	Max.	1	16mm <sup>2</sup>	Copper

Approbations	
Specification	Marking

CE marking



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



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