



Sample image

KA40B

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 U_i		Voltage (V)		AC / DC		
		690	AC			
Rated impulse withstand voltage U_{imp}						
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 I_u/I_{th}						
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 I_{the}						
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 I_e						
Utilization category	Voltage (V)			Current (A)		
AC-32A	20 - 400			40		
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 U_i		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 low	
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	
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UK Directives	
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Lloyd's Register EMEA	
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IEC 60947-3; EN 60947-3; VDE 0660 Teil107	IEC 60947-3 EN 60947-3
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IEC 60947-6-1; EN 60947-6-1; VDE 0660 Teil114	IEC 60947-6-1 EN 60947-6-1
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UL 60947-4-1; CSA C22.2 No. 60947-4-1	
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CSA C.22.2 No.14	
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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.
- 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