

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)	Overtoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	Switch / Switch disconnecter

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 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	
EAC	
UK Directives	
Lloyd's Register EMEA	

IEC 60947-3; EN 60947-3; VDE 0660 Teil107	IEC 60947-3 EN 60947-3
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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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GB/T14048.3	
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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	
- 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.	
- Use copper wire only. Do not coat the wire end with tin.	
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.	
- For devices with lockable handles: the position of the handle of these devices shall be marked to guide proper operation.	
- The "ON" and "OFF" position may be marked using the symbols "I" and "O" according IEC60417, Symbols 5007 and 5008.	

Operating temperature	
Min. Temperature [°C]	Max. Temperature [°C]
-5	55