



Sample image

KA63

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 disconnecter
Rated uninterrupted current Iu/Ith						
Current (A)		Ambient temperature (°C)		Peak temperature (°C)	additional requirements	
63		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 size
63	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			63
AC-21A			20 - 690			63
AC-22A			20 - 690			63
Rated operational power						
Utilization category		Voltage (V)		No. of phases	No. of poles	Power (kW)
AC-3		220 - 240		3	3	11
AC-3		380 - 440		3	3	18,50
AC-3		500 - 500		3	3	22
AC-3		660 - 690		3	3	15
AC-23A		220 - 240		3	3	11
AC-23A		380 - 440		3	3	22
AC-23A		500 - 500		3	3	30
AC-23A		660 - 690		3	3	25
Max Fuse Rating IEC						
Fuse characteristic			No. of Fuses			Current (A)
gG			1			63

UL60947-4-1, UL508

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		600	AC
Rated thermal current			
Current (A)		Ambient temperature (°C)	Additional Text
60		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 (lb-in)
		2
		18

Rated short-time withstand current I _{cw}				
Time (s)				Current (A)
1				950
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 6	Copper
flexible wire	Min.	1	4mm²	Copper
flexible wire	Max.	1	16mm²	Copper
flexible wire	Min.	1	AWG 14	Copper
Single-core or stranded wire	Min.	1	2.5mm²	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	25mm²	Copper
flexible wire with sleeve	Min.	1	2.5mm²	Copper
flexible wire with sleeve	Max.	1	16mm²	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
UL 60947-4-1; CSA C22.2 No. 60947-4-1				
CSA C.22.2 No.14				
GB/T14048.3				
Power loss per pole				
				Power (W)
				1,90
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		