

# DK12

Type Size: S0

Classification Contact: H-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		
		600	AC / DC			
Rated impulse withstand voltage Uimp						
Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function		
4	II	3	Valid for lines with grounded common neutral termination	Switch		
Rated uninterrupted current Iu/Ith						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
6	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C			
Conventional enclosed thermal current Ithe						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size
6	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-21A	6			6		
AC-21A	12			6		
AC-21A	24			5		
AC-21A	48			4		
AC-21A	110			3		
AC-21A	240			2		
AC-21A	380			1,30		
AC-21A	440			1		
AC-21A	550			0,80		
AC-21A	600			0,50		
Max. Fuse rating IEC						
Fuse characteristic	No. of Fuses			Current (A)		
gG	1			6		

## UL60947-4-1, UL508

Rated insulation voltage Ui		Voltage (V)		AC / DC
		600	AC	
Rated thermal current				
Current (A)	Ambient temperature (°C)	Additional Text		
6	0 - 40	--		

## GENERAL TECHNICAL INFORMATION

Tightening torque of screws					
		tightening torque (Nm)		tightening torque (lb-in)	
		0,60		5	
Rated short-time withstand current Icw					
				Time (s)	Current (A)
				1	65
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	
Solid wire	Min.	1	0.5mm <sup>2</sup>	Copper	
Solid wire	Min.	2	0.5mm <sup>2</sup>	Copper	
Flexible wire	Min.	1	0.75mm <sup>2</sup>	Copper	

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	Min.	2	0.75mm <sup>2</sup>	Copper
Flexible wire	Max.	2	2.5mm <sup>2</sup>	Copper
Flexible wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	AWG 12	Copper
Single-core or stranded wire	Max.	2	2.5mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	1.5mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm <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)

0,20

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	IEC 61373 (1999) Category 1, Class B

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.
- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.

Operating temperature		
	Min. Temperature [°C]	Max. Temperature [°C]
	-5	60