

CH12

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		
6	III	3	Valid for lines with grounded common neutral termination		Switch		
Rated uninterrupted current Iu/lth							
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				60	3,50		
AC-21A				110	3		
AC-21A				240	1,80		
AC-21A				300	1,30		
AC-21A				440	1		
AC-21A				500	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
		300	AC
Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	6	0 - 40	--

CSA

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		300	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)
	1		9

Rated short-time withstand current Icw	
Time (s)	Current (A)
1	50

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
Solid wire	Min.	1	0.75mm ²	Copper
Solid wire	Min.	2	0.75mm ²	Copper
Flexible wire	Min.	1	0.75mm ²	Copper
Flexible wire	Min.	2	0.75mm ²	Copper
Flexible wire	Max.	2	AWG 12	Copper
Flexible wire	Max.	2	2.5mm ²	Copper
Single-core or stranded wire	Max.	2	AWG 10	Copper
Single-core or stranded wire	Max.	2	4mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.75mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.75mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm ²	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



CSA C.22.2 No.14



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 shock	min. 5g, 30ms
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]
-25	60