

# CAD4-1

Type Size: S00

Classification Contact: H-Bridge

Classification Contact Mat: Gold plated

Classification Terminal: Screw terminal

## IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui						
		Voltage (V)		AC / DC		
		440		AC / DC		
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	
Rated uninterrupted current Iu/Ith						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
5	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
5	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				440	5	
DC-21B				1	3	
DC-21B				6	1,20	
DC-21B				24	0,40	
DC-21B				48	0,25	
DC-21B				110	0,13	
DC-21B				220	0,08	
DC-21B				300	0,07	
AC-21A				1	5	
AC-21A				6	2	
AC-21A				12	1,20	
AC-21A				24	0,70	
AC-21A				48	0,45	
AC-21A				110	0,25	
AC-21A				220	0,15	
AC-21A				440	0,10	
Max. Fuse rating IEC						
Fuse characteristic				No. of Fuses	Current (A)	
G-fuse, quick				1	5	

## UL60947-4-1, UL508

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)		
0,40		3,50		
Rated short-time withstand current Icw				
Time (s)		Current (A)		
1		30		
Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Solid wire	Min.	1	0.5mm²	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
Solid wire	Min.	2	0.5mm <sup>2</sup>	Copper
Flexible wire	Min.	1	0.75mm <sup>2</sup>	-
Flexible wire	Min.	2	0.75mm <sup>2</sup>	Copper
Flexible wire	Max.	2	AWG 16	Copper
Flexible wire	Max.	2	1.5mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	1.5mm <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	1mm <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	<b>IEC 60947-3</b> <b>EN 60947-3</b>
UL 60947-4-1; CSA C22.2 No. 60947-4-1	

Power loss per pole	Power (W)
	0,40

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

General Information
Text
<ul style="list-style-type: none"> <li>- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.</li> <li>- DC switching capacity applies to ON/OFF switches.</li> <li>- 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.</li> <li>- After wiring, ALL terminal screws must be tightened to the specified torque values.</li> <li>- The protection class of the selected mounting type may vary if optional extras are used.</li> <li>- Do not lubricate or treat contacts.</li> <li>- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.</li> <li>- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.</li> </ul>

Operating temperature	
Min. Temperature [°C]	Max. Temperature [°C]
-25	60