



Sample image

CAD11B

Type Size: S1

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 U_i

Voltage (V)	AC / DC
600	AC / DC

Rated impulse withstand voltage U_{imp}

Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	switch

Rated uninterrupted current I_u /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 I_{the}

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 I_e

Utilization category	Voltage (V)	Current (A)
DC-21A	1	4
DC-21A	6	2,50
DC-21A	12	1,50
DC-21A	24	0,80
DC-21A	48	0,30
DC-21A	110	0,20
DC-21A	220	0,10
DC-21A	300	0,06
AC-20A	600	6
AC-21A	1	6
AC-21A	6	3
AC-21A	12	2
AC-21A	24	1
AC-21A	48	0,80
AC-21A	110	0,40
AC-21A	220	0,20
AC-21A	400	0,13
AC-21A	440	0,10
AC-21A	500	0,08
AC-21A	600	0,05

Max Fuse Rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	6

UL60947-4-1, UL508

Rated insulation voltage U_i

Voltage (V)	AC / DC
300	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
6	0 - 40	--

CSA

Rated insulation voltage U_i

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)
	0,60

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

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.	2	2.5mm ²	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 ²	Copper
flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm ²	Copper

Approbations	
Specification	Marking

EAC	
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	
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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)
	0,50

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	
- DC switching capacity applies to ON/OFF switches.	
- 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.	
- 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