



Sample image

## C81-6

Type Size: S2

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Ring type terminal

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

**Rated insulation voltage Ui**

Voltage (V)	AC / DC
690	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 / Switch disconnecter

**Rated uninterrupted current Iu/Ith**

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
115	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C

**Rated operational current Ie**

Utilization category	Voltage (V)	Current (A)
AC-20A	690	115
AC-21A	20 - 690	100
AC-22A	220 - 500	100
AC-22A	660 - 690	100

**Rated operational power**

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-2	220 - 240	3	3	30
AC-2	380 - 440	3	3	45
AC-2	500 - 500	3	3	55
AC-2	660 - 690	3	3	55
AC-3	220 - 240	3	3	15
AC-3	380 - 440	3	3	30
AC-3	500 - 500	3	3	30
AC-3	660 - 690	3	3	30
AC-3	110 - 120	1	2	3,70
AC-3	220 - 240	1	2	7,50
AC-3	380 - 440	1	2	13
AC-4	220 - 240	3	3	6
AC-4	380 - 440	3	3	11
AC-4	500 - 500	3	3	11
AC-4	660 - 690	3	3	11
AC-4	110 - 120	1	2	1,50
AC-4	220 - 240	1	2	3
AC-4	380 - 440	1	2	5,50
AC-23A	220 - 240	3	3	30
AC-23A	380 - 440	3	3	45
AC-23A	500 - 500	3	3	55
AC-23A	660 - 690	3	3	45
AC-23A	110 - 120	1	2	5,50
AC-23A	220 - 240	1	2	15
AC-23A	380 - 440	1	2	22

**Max. Fuse rating IEC**

Fuse characteristic	No. of Fuses	Current (A)
gG	1	125

### UL60947-4-1, UL508

**Rated insulation voltage Ui**

Voltage (V)	AC / DC
600	AC

Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	100	0 - 40	--

### GENERAL TECHNICAL INFORMATION

Tightening torque of screws		
	tightening torque (Nm)	tightening torque (lb-in)
	4	35

Rated short-time withstand current Icw		
	Time (s)	Current (A)
	1	1300

Approbations	
Specification	Marking

CE marking	
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UK Directives	
IEC 60947-3; EN 60947-3; VDE 0660 Teil107	<b>IEC 60947-3 EN 60947-3</b>

UL 60947-4-1; CSA C22.2 No. 60947-4-1	
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Power loss per pole	
	Power (W)
	5,80

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

General Information	
Text	
<ul style="list-style-type: none"> <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