



Sample image

CG10

Type Size: S0

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

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

Rated insulation voltage U_i						
Voltage (V)		AC / DC				
690		AC				
Rated impulse withstand voltage U_{imp}						
Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function		
4	III	3	Valid for lines with grounded common neutral termination	Switch		
Rated uninterrupted current I_u/I_{th}						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
20	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
20	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)			
AC-15	220 - 240		5			
AC-15	380 - 440		4			
AC-20A	690		20			
AC-21A	20 - 690		20			
AC-22A	220 - 500		20			
AC-22A	660 - 690		16			
Rated operational power						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3	220 - 240	3	3	2,20		
AC-3	380 - 440	3	3	3		
AC-3	500 - 500	3	3	3		
AC-3	660 - 690	3	3	3		
AC-3	220 - 240	1	2	0,75		
AC-3	380 - 440	1	2	1,50		
AC-23A	220 - 240	3	3	3		
AC-23A	380 - 440	3	3	5,50		
AC-23A	500 - 500	3	3	5,50		
AC-23A	660 - 690	3	3	7,50		
AC-23A	220 - 240	1	2	1,50		
AC-23A	380 - 440	1	2	2,20		
Max. Fuse rating IEC						
Fuse characteristic	No. of Fuses		Current (A)			
gG	1		20			

UL60947-4-1 , UL508

Rated thermal current			
Current (A)	Ambient temperature (°C)	Additional Text	
12	0 - 40	--	

CSA			
Current (A)	Ambient temperature (°C)	Additional Text	
12	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	130

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	0.5mm ²	Copper
Solid wire	Min.	2	0.5mm ²	Copper
Flexible wire	Min.	1	0.75mm ²	Copper
Flexible wire	Min.	2	0.75mm ²	Copper
Flexible wire	Max.	1	AWG 12	Copper
Flexible wire	Max.	1	2.5mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 12	Copper
Single-core or stranded wire	Max.	1	2.5mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	1	2.5mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm 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)	
0,90	

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	

- 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