



Sample image

CG8R

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	50/60Hz

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
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	110 - 110	6
AC-15	220 - 240	5
AC-15	380 - 440	4
AC-20A	690	20
AC-21A	20 - 690	20
AC-22A	220 - 440	20
AC-22A	500 - 500	20
AC-22A	660 - 690	16

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-2	220 - 240	3	3	4
AC-2	380 - 440	3	3	7,50
AC-2	500 - 500	3	3	10
AC-2	660 - 690	3	3	10
AC-3	220 - 240	3	3	3
AC-3	380 - 440	3	3	5,50
AC-3	500 - 500	3	3	5,50
AC-3	660 - 690	3	3	5,50
AC-3	110 - 120	1	2	0,60
AC-3	220 - 240	1	2	2,20
AC-3	380 - 440	1	2	3
AC-4	220 - 240	3	3	0,55
AC-4	380 - 440	3	3	1,50
AC-4	500 - 500	3	3	1,50
AC-4	660 - 690	3	3	1,50
AC-4	110 - 120	1	2	0,30
AC-4	220 - 240	1	2	0,75
AC-4	380 - 440	1	2	1,50
AC-23A	220 - 240	3	3	3,70
AC-23A	380 - 440	3	3	7,50
AC-23A	500 - 500	3	3	7,50
AC-23A	660 - 690	3	3	7,50
AC-23A	110 - 120	1	2	0,75

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-23A	220 - 240	1	2	2,50
AC-23A	380 - 440	1	2	3,70
Max. Fuse rating IEC				
Fuse characteristic	No. of Fuses			Current (A)
gG	1			25

UL60947-4-1 , UL508

Rated insulation voltage Ui			
	Voltage (V)	AC / DC	
	300	AC	
Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	16	0 - 40	--

CSA

Rated insulation voltage Ui			
	Voltage (V)	AC / DC	
	300	AC	
Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	16	0 - 40	--

GENERAL TECHNICAL INFORMATION

Rated short-time withstand current Icw		
	Time (s)	Current (A)
	1	140

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	2	2.5mm²	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	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm²	Copper

Recommended screw driver		
Type of screw driver	Value	
Cross Screwdriver	PH1	
Slot screwdriver according to DIN 5264	0,8x4	
Tightening torque of screws		
	tightening torque (Nm)	tightening torque (lb-in)
	0,60	5

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



CSA C.22.2 No.14



Power loss per pole	
	Power (W)
	0,80

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

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]
	-5	60