



UL 1053 residual current circuit breakers already protected upstream by a short-circuit and overload protection device are used for:

- control and disconnection of electric circuits
- protection of people against electric shock by direct and indirect contacts
- protection of installations against insulation faults.

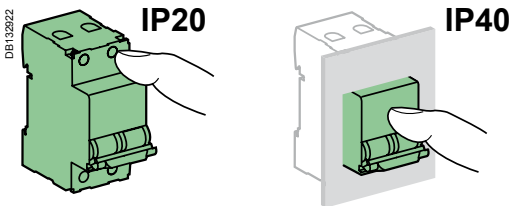
They comply with RCD standards UL 1053 and IEC 61008.

■ Voltage Independent: electromechanical technology, ensure residual current protection down to 0V.

They guarantee:

- enhanced continuity of supply, during a series of close lightning strokes, IT earthing system, equipment including interference suppression filters, variable speed controllers, frequency converters, electronic ballasts for lighting
- enhanced earth leakage protection: in presence of harmonics or high frequency rejections.

SI type GFPs are ideal for operation in environments with a humid atmosphere and/or polluted by aggressive agents: swimming pools, marinas, agri-food industries, water treatment stations, industrial sites, etc.



### Weight (g/oz)

GFP UL 1053 type AC SI	
Type	GFP
2P	220 / 7.7
4P	450 / 15.9

### IEC/EN 61008-1

### IEC/EN 61008-2-1: Voltage Independent

### UL 1053

#### GFP UL 1053 type AC SI

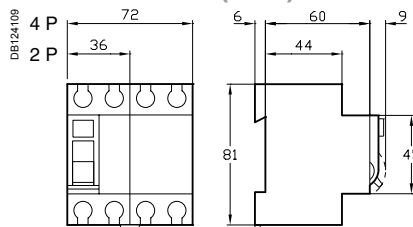
##### Technical data

Voltage rating +10 %, -15 %	2P	120 or 240 V ~ 60 Hz 230 or 240 V ~ 50 Hz
	2P	480Y/277 V ~ 60 Hz 240 V ~ 60 Hz 230/400 or 240/415 V ~ 50 Hz
	4P	480Y/277 V ~ 60 Hz 240 V ~ 60 Hz 230/400 or 240/415 V ~ 50 Hz
Current rating (In) at 40°C	25...100 A	
Making and breaking capacity: rated residual current (IΔm)	1 000 A	
Rated impulse withstand voltage (Uimp)	6 kV	
Utilisation category	AC 23A	
Level of immunity	In current wave 8/20 μs: 3 kA	
	In dampened recurrent current wave 0.5 μs/100 kHz: 200 A	
Short-circuit current withstand (IΔc = Inc)	10 kA with 100 A gG upstream fuse	
Test button minimum operating voltage	2P	113 V AC
	4P	189 V AC
Phase-to-phase test circuit	To avoid external bridging on use on three-phase network without neutral	
Locking possible in "tripped" position	By padlocking facility (not supplied)	
Release with fixed sensitivity for all ratings	Instantaneous release:	
	UL 1053 : ±15 % IEC 61008 : +0 %, -50 %	
Behaviour in case of voltage drop	Ensure residual current protection down to 0 V	
Earth fault indication	On front face by red mechanical indicator	
Number of cycles (O-C)	20,000 cycles	
Tropicalisation	Treatment 2 (relative humidity: 95 % at 55°C)	
Degree of protection as per IEC 60529	On front face: IP40/IPXXB	
	Tunnel terminal connection: IP20/IPXXB	
Operating temperature	-25°C to +60°C	
Storage temperature	-40°C to +70°C	

### UL 486A connections for copper wires, document #E216919

Rating	Tightening torque	Cu wires
25 to 100 A	3.5 N.m (31 lb.in)	 DB122946 2.5 to 35 mm <sup>2</sup> (#14 #2 AWG)

### Dimensions (mm)





# GFP - Ground Fault Protector

UL 1053

IEC 61008

## Catalogue numbers

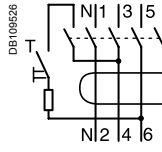
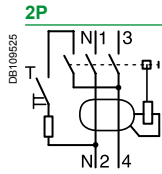
### GFP UL 1053 type AC S/

AC type S/	Rating (A)	Sensitivity (mA)		Cat. no.		Width in mod. of 9 mm (0,354 in.)
		UL 1053	IEC 61008	120 or 240 V 230 or 240 V	240 V 480Y/277 V 230/400 or 240/415 V	

AC type S/	Rating (A)	Sensitivity (mA)		Cat. no.	Width in mod. of 9 mm (0,354 in.)
		UL 1053	IEC 61008		

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		UL 1053	IEC 61008		

**Accessories** Module CM907016



## Coordination

### Short-Circuit Current Rating (SCCR)

The Ground-Fault Protector GFP must be used with upstream overcurrent protection suitable for the circuit. GFP is suitable for use on a circuit capable of delivering not more than values (kA) below when protected by devices listed below.

### Overcurrent Protection Required for UL applications of GFP

GFP	Circuit breaker type									
	C60 240 V		C60 277 V	C60 480Y/277 V		QOU		QO	HDL	
	1P and 2P	3P	1P	2P	3P	1P and 2P	3P	1P and 2P	3P	2P
2P 240 V ~ <sup>(1)</sup>	10	-	-	-	-	10	-	10	-	65
2P 480Y/277 V ~ <sup>(1)</sup>	-	-	10	10	-	-	-	-	-	-
4P 480Y/277 V ~ <sup>(1)</sup>	-	10	-	-	10	-	10	-	10	-

<sup>(1)</sup> include all amperages of GFP

**10** Max short-Circuit Current withstand (kA)