

Multi9 GFP - Ground Fault Protector

IEC/EN 61008-1
UL 1053

As per the above standards:

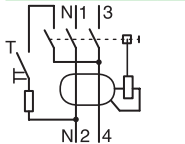
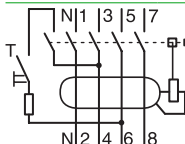
UL 1053 residual current circuit breakers already protected upstream by a circuit breaker device are used for:

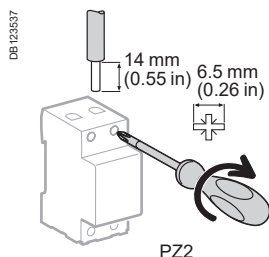
- control and disconnection of electric circuits
- protection of people against electric shock by direct and indirect contacts
- protection of installations against insulation faults
- enhanced continuity of supply, during a series of close lightning strokes, IT earthing system, equipment including interference suppression filters, variable speed controllers, frequency converters, electronic ballasts for lighting
- enhanced earth leakage protection: in presence of harmonics or high frequency rejections.

They comply with RCD standards UL 1053 and IEC/EN 61008.

A-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.

Catalog numbers

GFP UL 1053 A-SI type 							
A-SI type	Rating (A)	Sensitivity (mA)		Cat. no.		Width in mod. of 9 mm (0.35 in)	
		UL 1053	IEC/ EN 61008	120 or 240 V 230 or 240 V	240 V 480Y/277 V 230/400 or 240/415 V		
2P							
	25	26	30	M9R81225	M9R41225	4	
		86	100	M9R12225	-		
		260	300	M9R84225	M9R44225		
	40	26	30	M9R81240	M9R41240		
		260	300	M9R84240	-		
		63	26	30	M9R81263		-
4P							
	25	26	30	-	M9R81425	8	
		86	100	-	M9R12425		
		260	300	-	M9R84425		
	40	26	30	-	M9R81440		
		260	300	-	M9R84440		
		63	26	30	-		M9R81463
	86		100	-	M9R12463		
	100		86	100	-		M9R12491
		260	300	-	M9R84491		
		Auxiliaries		2P: without auxiliaries 4P: see page 55			
	Accessories		See page 48				
	Voltage rating (Ue)	2P	230 - 240 V				
4P		400 - 415 V					
Operating frequency	50/60 Hz						

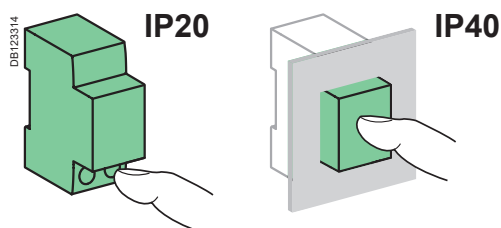
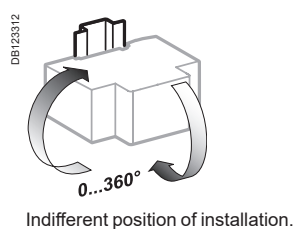
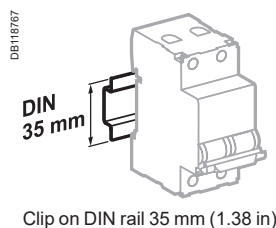
UL 486A connections for copper cables,
document #E216919

Without accessory

Rating	Tightening torque	Copper cables (*)	
		Rigid, flexible or with ferrule	
		IEC/EN 61008-1	UL 486A-B
25 to 100 A	3.5 N.m / 31 lb.in	1 to 35 mm ²	AWG #18 to #2

(*) See Copper Multi-cable connection chapter for more information, page 113.

Multi9 GFP - Ground Fault Protector (cont.)



Technical data

GFP UL 1053 A-SI type

Technical data

Insulation voltage (Ui)	440 V
Pollution degree	3
Making and breaking capacity: rated residual current (I Δ m)	1 500 A
Rated impulse withstand voltage (Uimp)	6 kV
Utilisation category	AC 23A
Level of immunity	In current wave 8/20 μ s: 3 kA In dampened recurrent current wave 0.5 μ s/100 kHz: 200 A
Short-circuit current withstand (I Δ c = 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/EN 61008 : +0 %, -50 %
Behaviour in case of voltage drop	 Residual current protection down to 0 V according to IEC/EN 61008-1 § 3.3.4
Earth fault indication	On front face by red mechanical indicator
Number of cycles (O-C)	20,000 cycles
Degree of protection (IEC 60529)	Device only IP20 Device in modular enclosure IP40 Insulation class II
Operating temperature	 -25°C to +60°C / -13°F to 140°F
Storage temperature	-40°C to +70°C / -40°F to 158°F
Tropicalization (IEC 60068-1)	Treatment 2 (relative humidity 95 % at 55°C / 131°F)
Dissipated power	See page 104

Weight (g / oz)

GFP UL 1053 A-SI type

Type	GFP
2P	220 g / 7.76 oz
4P	450 g / 15.87 oz

Dimensions (mm / inches)

