Ground Fault Circuit Interrupter (GFCI)
Provides ground fault protection

Protecting up to 5mA for personnel protection The 2023 National Electrical Code (NEC) requires GFCI protection in dwelling units for 125 volt receptacles located throughout the home. GFCI with personnel protection is required throughout the home. This applies to new construction and existing homes installations, where equipment is updated or replaced.

Refer to the standards
UL489 -molded case circuit breakers.
UL943 - ground fault circuit interrupters 5mA.

Product Model						
	H	Q	1	40	GF	T
Interrupting Rating H = 10kAIC						
Type : Q =1" plug-in						
Pole : 1:1 pole; 2:2 poles(Developing)						
Ampere Rating(A): 15, 20, 25, 30, 40						
GF: 5mA Ground fault circuit breaker						
T : Long pigtail S : Short pigtail（120mm）						

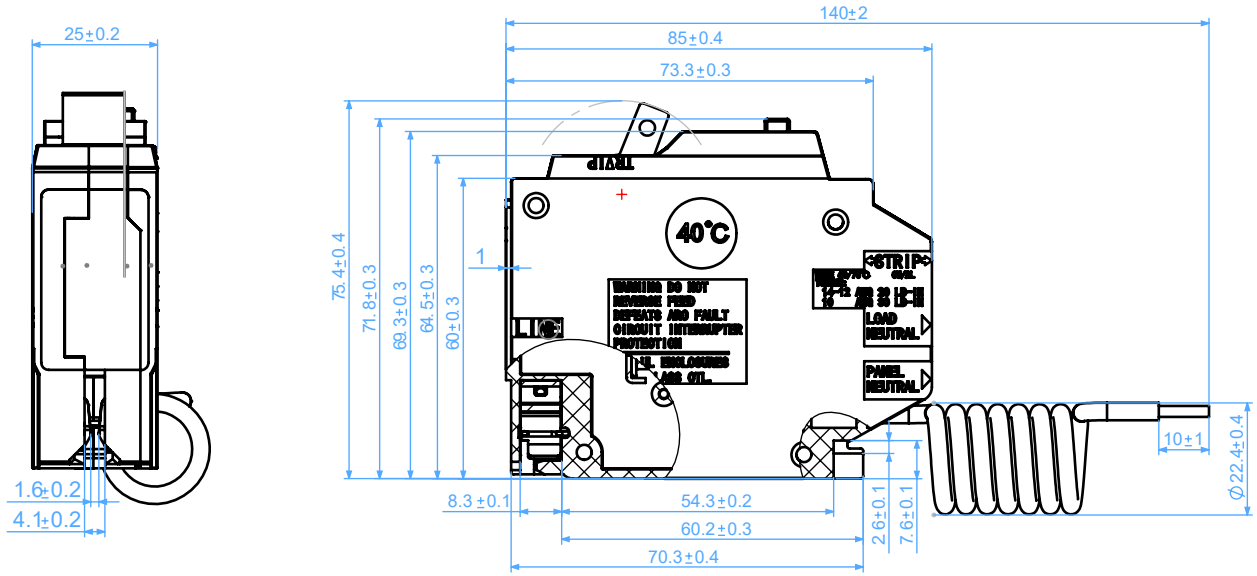
Characteristic Parameters:

Rated curret (In)	15A,20A,25A,30A,40A
Trip curve	10~20 In
Model	Snap-on style
RCD Type	AC
Pole	1P
Rate voltage (Ue)	120V
Pigtall	T:Long pigtail S : Short pigtail
Rated frequency	60Hz
Rated residual operating current (IΔn)	5mA
Rated breaking capacity (Icn)	10kA
Rated residual making and breaking capacity(IΔm)	3000A
Rated impulse withstand voltage (Uimp)	4kV
Surge current resistance / at (8/20) μs	3kA
Electrical life（time）	6,000
Pollution degree	2
Weight	About 189g
Bidirectional	NO （Connect according to the markings and make sure not to make any mistakes.）
Mechanical life	10,000
Protection degree	IP20
Ambient Air Temperature for Operation	104 °F (40 °C)
Ambient temperature (with daily averages35°C)	-25°C +40°C
Storage temperature	-25°C +70°C
Connection capacity (input)	Plug in （Adapter insert thickness: 2.5mm）
Connection type (output)	Connector frame
Connection capacity (output)	AWG8(CU/AL)
Tightening torque (output)	30 LB-IN

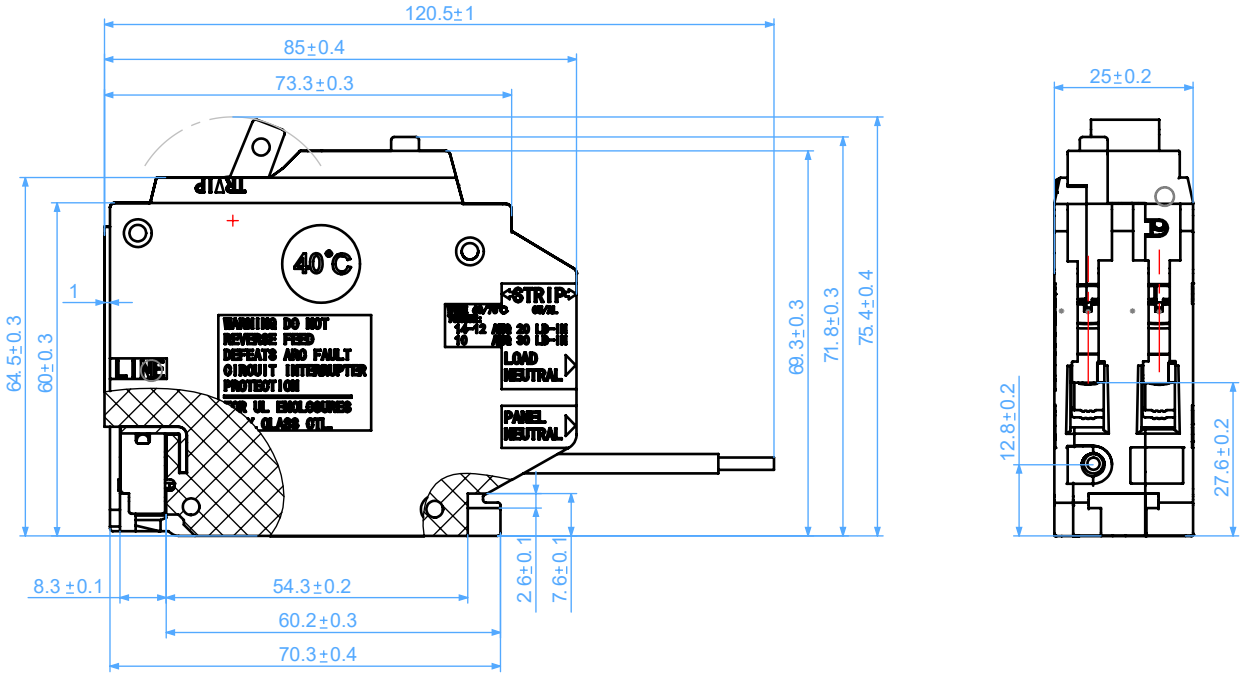
Low Voltage Products and Systems NEMA Residential and Commercial Portfolio - Residential Breaker:- EMCB

Dimensions(mm)

HQ140GFT



HQ140GFS



Notes for Attention

A. The wiring must be reliable to prevent circuit breaker failures or terminal damage due to abnormal heating of terminals.

B. Visual switch window: Fault trip is displayed in red, while others are not shown.

C. Test once a month by pressing the TEST button. This indicates that the product's grounding fault function is qualified and does not trip. If necessary, the switch should be replaced promptly to ensure safety and reliability.

D. Warranty policy: The warranty period starts from the date of product sale. Product failures due to product quality issues, non-human damage, etc., can be returned and replaced for free. The warranty period is 36 months.

E. Suitable for residential and commercial applications, used to connect the load center to ensure safety and reliability.