

2P GFS Ground Fault Circuit Interrupter

Cl. I, Div. 1 & 2, Groups C, D
Cl. II, Div. 1, Groups E, F, G
Cl. II, Div. 2, Groups F, G
Cl. III
NEMA 3, 7CD, 9EFG, 12

Explosionproof
Dust-Ignitionproof

Applications:

GFS ground fault circuit interrupters are used:

- With portable electrical equipment such as tools, lighting systems, compressors and similar devices for personnel protection
- In areas made hazardous by the presence of flammable vapors, gases or combustible dusts
- In branch circuits of 15 to 20 amperes at 125 volts AC
- In conjunction with ENR or CPS152 receptacles

Features:

- Factory sealed chamber encloses the ground fault circuit interrupter (GFCI) and its potentially arcing components in an enclosure with explosionproof ground joints. No additional sealing is required when proper body is used.
- GFCI protects personnel against possible injury due to unwanted ground faults; meets requirements for personnel protection as defined in the *National Electrical Code*®.
- GFCI is feed-through type to serve several receptacles.
- Decentralized GFCI protection on branch circuits permits immediate identification of circuit where a ground fault is occurring; does not interrupt power on total branch circuit if tripped or when periodically tested; significantly reduces incidence of nuisance tripping; provides for use of 125 VAC portable lighting even when working on metal floors or catwalks.
- Field installation is accomplished with standard tools.
- Can be installed on any Cooper Crouse-Hinds single or multiple gang EDS or EDSC device box.

Certifications and Compliances:

- NEC/CEC
Class I, Division 1 and 2, Groups C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
- ANSI/UL Standard: 943, 1203
- NEMA/EEMAC 3, 7CD, 9EFG, 12
- CSA Standard: C22.2 No. 30, 144

Standard Materials:

- Cover – sand cast copper-free aluminum
- Sealing well – die cast copper-free aluminum
- Pushbuttons and guards – stainless steel
- Shaft seals – neoprene
- Interior: body – polycarbonate; contacts – brass



Standard Finishes:

- Copper-free aluminum – aluminum lacquer
- Stainless steel – natural
- Polycarbonate – natural (ivory)
- Brass – natural

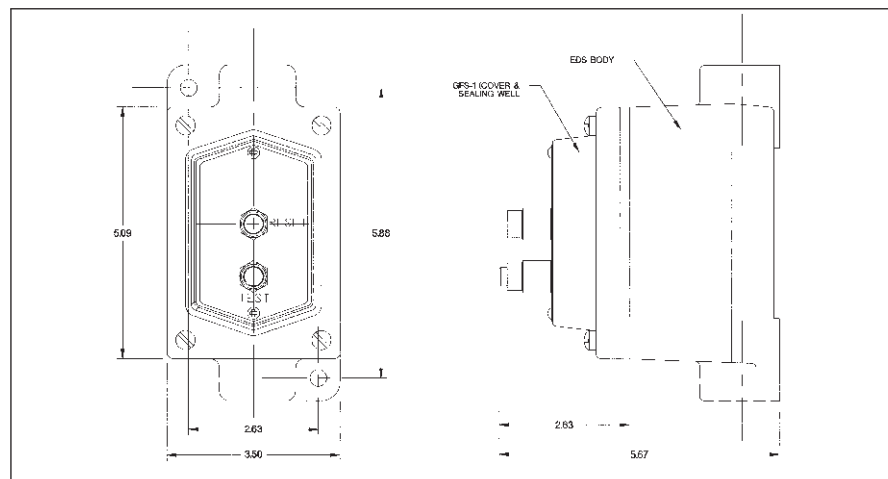
Electrical Rating Ranges:

- 20 amperes
- 125 VAC
- 5 milliampere trip setting
- Class A per ANSI/UL943

Ordering Information:

Amps	Description	Cat. #
20	Factory-sealed ground fault circuit interrupter – 5 milliampere trip	GFS1

Dimensions In Inches:



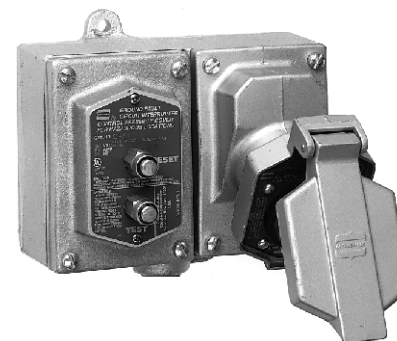
Application Recommendations:

- GFS-1 can be installed in an EDS back box (see page 511) for point-of-use protection or for protection of downstream receptacles.



GFS-1 with EDS271 back box

GFS-1 can be used with ENR or CPS receptacles and EDS back box for circuit interrupter protection of portable equipment.



GFS-1 with EDS172 back box and ENR5201 receptacle