

Applications:

- Operating where flammable liquids or gases are handled, processed or used
- Damp, wet, dirty, dusty, hazardous areas where ultimate corrosion and ingress protection is required
- STE main breakers for hazardous areas provide overcurrent and short circuit protection for low voltage power, lighting and heat tracing applications in hazardous locations, such as refineries, chemical and petrochemical plants, mining, food processing, corrosive and industrial processing facilities.

Features:

- Factory sealed – no external conduit or cable seals required
- Easy to open and access with a single handle (versus up to 30+ bolts in a traditional enclosure)
- Lower maintenance costs
- Lightweight design and reduced footprint for easier installation with reduced labor costs
- Top and bottom gland plates for easy addition of entries
- Interlocked design secures the enclosure from being opened when the breaker is in ON position
- Lockout tagout provides ability to lock the breaker in OFF position
- Proven reliability from Eaton's Crouse-Hinds tamper-proof encapsulated breakers
- -40°C certified solution for extreme environments



Two standard sizes available

Certifications and compliances:

NEC/CEC:

- Class I, Divisions 2, Groups A, B, C, D
- Class I, Zones 2
- Class II, Groups F, G
- Class III

UL standards:

- UL50E
- UL489
- UL508
- UL121201

CSA standard:

- CSA-C22.2 No. 0
- CSA-C22.2 No. 5
- CSA-C22.2 No. 14
- CSA-C22.2 No. 25
- CSA-C22.2 No 213

Additional certifications:

- Temperature class: T4
 Certified -40°C solution with HT1 or HT2 options
- Ambient temperature range:
 50-200A: -20°C to +40°C
 225A: -20°C to +30°C

Environmental ratings:

- NEMA 4X



Main breaker

- 25kAIC rating for maximum circuit protection
- Lightweight and compact



50A-225A main breaker

Electrical ratings

- 50-60A: Up to 480 VAC
 80-225A: Up to 480Y/277 VAC
- 3-pole
- 50, 60, 80, 100, 125, 150, 175, 200, 225 amps
- Auxiliary contacts and Shunt trip option
- Wire size (line & load side)
 - Size 1: up to 1/O AWG (55.5mm²)
 - Size 2: up to 4/O AWG (107.0mm²)
- Incoming/outgoing wire 75°C
- 25kAIC @ 480Y/277 V

Standard materials:

- Enclosure – 316L stainless steel
- External handle – nylon
- Mounting plate – copper-free aluminum
- Internal hardware – stainless steel
- Encapsulated breaker – polyamide

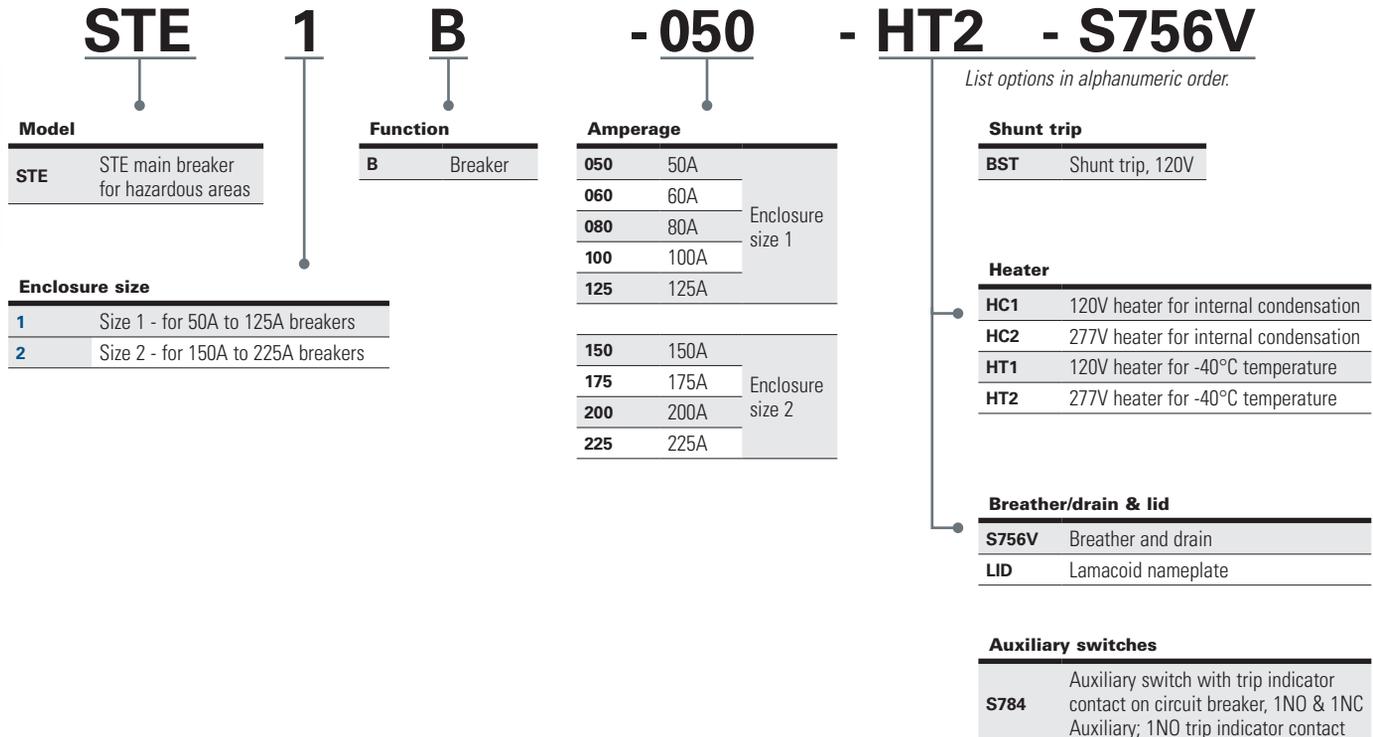
Ordering information:

Part number example #1

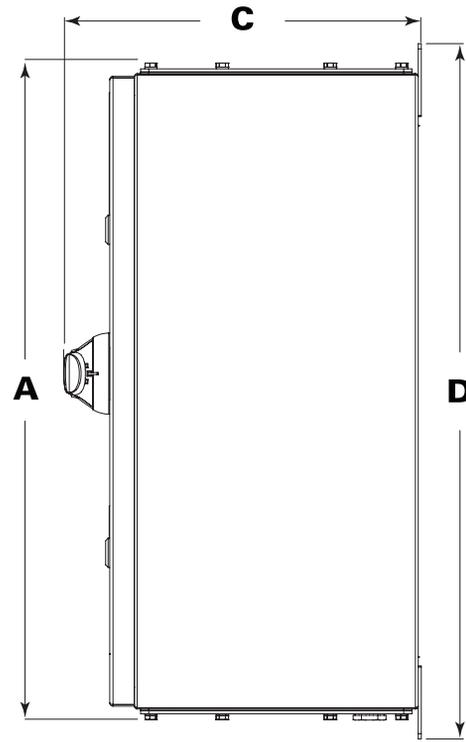
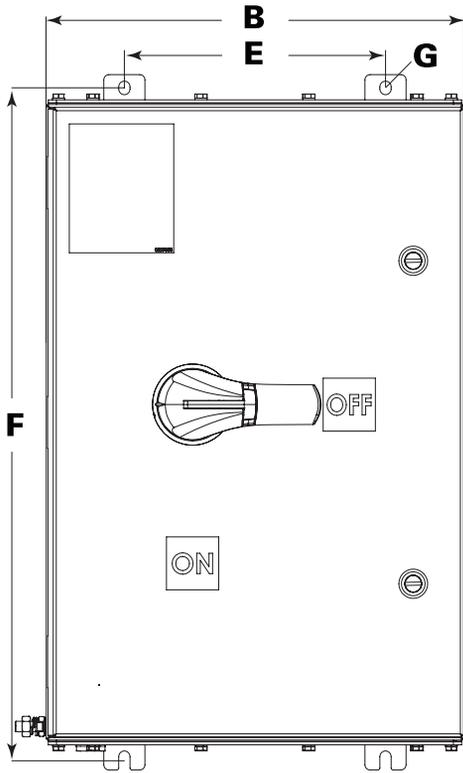
STE1B-050-HT2-S756V

STE main breaker, size 1 316 stainless steel enclosure, 50 Amp breaker, 277V heater for -40°C temperature, breather and drain

2A



Dimensions (in inches):



2A

Size 1 & 2 enclosures: dimensions and weight

Enclosure size	Weight	Height x width x depth		
		A	B	C
SIZE 1	55 lbs	20.80	14.00	13.70
	25 kg	(528)	(356)	(348)
SIZE 2	64 lbs	24.80	16.00	13.70
	29 kg	(630)	(406)	(348)

Inches (mm)

Mounting			
D	E	F	G
22.30	11.46	21.26	0.44
(566)	(291)	(616)	(11)
26.30	10.00	25.28	0.44
(668)	(254)	(642)	(11)

Inches (mm)

Gland plate dimensions

gland plate	Width x depth	
	H	I
SIZE 1	13.85	10.40
	(352)	(264)
SIZE 2	15.85	10.40
	(402)	(264)

Inches (mm)

