

E-T-A 483 Series More Protection in Less Space.



Technical Information

High Performance Thermal Circuit Breaker 483.

Of course you rely on MS 3320, but it can only give you a guideline. Beyond MS 3320, the E-T-A 483 Series performs precisely in extreme conditions. With the E-T-A 483 Series you get an extremely robust product which ensures security in your vehicle or aircraft.

- Exceeds MS 3320 for environments where MS 3320 is not enough
- Suitable for high shock and vibration environments
- Advanced two chamber design contributes to fail safe operation
- Small design allows busbar connection up to 35 A
- Temperature compensated design
- UL 1077 Recognized; MS 3320 QPL
- Trusted by the world's most advanced aircraft manufacturers

MS 3320 Comparison Chart

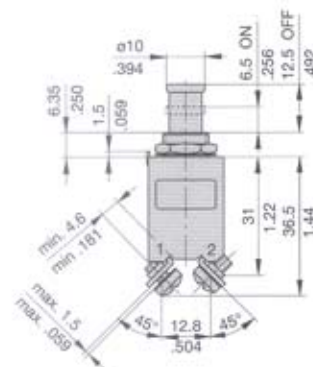
| | E-T-A 483 Series | MS 3320 |
|-------------------|---------------------------------------|---------------|
| Endurance | 20,000 cycles | 10,000 cycles |
| Vibration | 15 g sinus, 20 g rms random vibration | 10 g |
| Mechanical Shock | Up to 100 g | 50 g |
| Weight | 23 g | 25 g |
| Max. Rating | 35 A | 20 A |
| Auxiliary Contact | Optional | No |
| Internal Seal | Optional | No |

Technical data

| | | | | |
|--------------------------------|--|-------------------|--------------------|--------------------|
| Voltage rating | AC 115 V (380-800 Hz); DC 28 V UL: AC 250 V; DC 75 V | | | |
| Current ratings | 1...35 A | | | |
| Typical life | 20,000 operations mechanical or 10,000 operations at I_N (25 A) 5,000 operations at I_N (30 + 35 A) | | | |
| Ambient temperature | -55...+125 °C (-67...+257 °F) | | | |
| Interrupting capacity I_{cn} | AC 115 V (400 Hz) | 4 A 7.5...35 A | 1,000 A 2,500 A | 5 A 6,000 A |
| | DC 28 V | 1...25 A | 30 + 35 A | 2,000 A 4,000 A |

Specifications

| | |
|------------------------|---|
| Vibration (sinusoidal) | (15 g) (70-2000 Hz) ± 0.76 mm (5-70 Hz) MIL-STD-202, method 204 condition B |
| Vibration (random) | (20.7g) rms, 0.3 g ² /Hz ± 1.5 dB MIL-STD-202, method 214 condition I/F |
| Acceleration | 20 g MIL-STD-202, method 212 condition A |
| Shock | (75 g) (11 ms) halfsine MIL-STD-202, method 213 |
| Corrosion | 96 hours at 5% salt mist MIL-STD-202, method 101 condition A |
| Humidity | 240 hours at 95% RH MIL-STD-202, method 106 |
| Explosion | MIL-STD-202, method 109 |
| Mass | max. 29 g w/ aux. contact (including hardware) max. 25 g w/o aux. contact (including hardware) |



E-T-A[®]
Circuit Protection & Control

E-T-A Circuit Breakers Ltd.
100 Leek Crescent, Unit 11
Richmond Hill · Ontario L4B 3E6
Phone: (905) 764-9510 · Fax (905) 764-8003
E-Mail: caninfo@e-t-a.ca

E-T-A Circuit Breakers
1551 Bishop Court
USA-Mount Prospect, IL 60056-6060
Phone: (847) 827-7600 · Fax (847) 827-7655
E-Mail: usinfo@e-t-a.com