

Hazardous Area Fuses

Barrier Network Fuse 242 Series

- Meets Barrier Network Standards (EN50020) for hazardous applications.
- High interrupting rating. Meets the 1500A minimum.
- Available in both axial lead and surface mount.

ELECTRICAL CHARACTERISTICS:

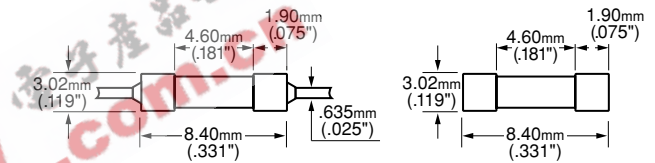
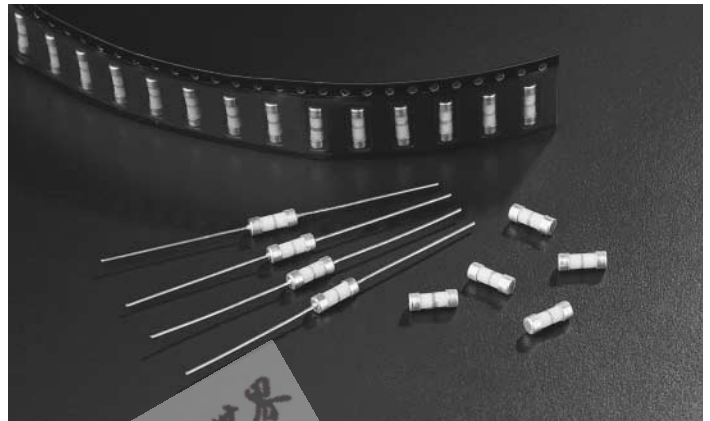
| % of Ampere Rating | Opening Time |
|--------------------|-------------------------------|
| 110% | 4 hours, Minimum |
| 300% | 10 seconds, Maximum |
| 1000% | 0.002 seconds, Maximum |

INTERRUPTING RATINGS: 4000 amperes at 250VAC/VDC

PACKAGING (500 pcs): For surface mount version add packaging suffix UR. For Axial Leaded version add packaging suffix UA. For Axial Leaded version, taped add packaging suffix UAT1.

ORDERING INFORMATION:

| Catalog Number | Ampere Rating | Color Coding | Nominal Resistance Cold Ohms | Nominal Melting I ² t A ² Sec. |
|----------------|---------------|--------------|------------------------------|--|
| 0242.050 | .050 | Red | 11.34 | 0.000103 |
| 0242.080 | .080 | Green | 8.19 | 0.000214 |
| 0242.100 | .100 | Blue | 3.60 | 0.000977 |
| 0242.160 | .160 | Violet | 3.00 | 0.00157 |
| 0242.200 | .200 | Brown | 2.68 | 0.0038 |
| 0242.250 | .250 | Black | 1.6 | 0.00579 |



Safe-T-Plus Fuse 259 Series

- Designed to allow equipment to meet "Intrinsically Safe" certification for applications in gas plants, petrochemical and processing industries where there is a danger of gas explosion from faulty circuits.
- Hermetically sealed.

ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Opening Time |
|--------------------|---------------------------|
| 100% | 4 hours, Minimum |
| 200% | 5 seconds, Maximum |

AGENCY APPROVALS: Meets CENELEC EN500014 to 039 and IEC 60079-11.

INTERRUPTING RATINGS:

50 amperes at 125 VAC

300 amperes at 125 VDC

ORDERING INFORMATION:

| Catalog Number | Ampere Rating | Voltage Drop | Maximum Resistance Cold Ohms | Nominal Melting I ² t A ² Sec. |
|----------------|---------------|--------------|------------------------------|--|
| 0259.062 | .062 | 2.1 | 8.1 | 0.00016 |
| 0259.125 | .125 | 1.3 | 2.4 | 0.0012 |
| 0259.250 | .250 | 0.83 | 0.87 | 0.0095 |
| 0259.375 | .375 | 0.81 | 0.46 | 0.025 |
| 0259.500 | .500 | 0.78 | 0.32 | 0.07 |
| 0259.750 | .750 | 0.23 | 0.19 | 0.062 |
| 0259001. | 1 | 0.24 | 0.14 | 0.01 |

Schedule of limitations.

1) The fuse must be so mounted that creepage and clearance distances meet the requirements of Table 2 of EN50020 :1977 or Table 4 of EN50020 :1994 (equivalent to IEC 60079-11 4th Edition 1999).

2) When used in intrinsically safe apparatus it will be necessary to determine a surface temperature classification for the fuse.

