

## 5x25mm/ No. 241



## Indicator, 250V

**Time-Current Characteristic**  
Medium Time Lag (M)

**Standard**

None

**Approvals**

None

## Specifications

**Packaging**

002: Pack (100 pcs.)

**Materials**

Tube: Ceramic

End Caps: Nickel-plated brass

**Operating Temperature**

-25°C to +70°C (consider de-rating)

**Climatic Category**

-25°C/+70°C/21 days (EN 60068-1..3)

**Stock Conditions**

+10°C to +60°C

relative humidity ≤ 75% yearly average,  
without dew

**Vibration Resistance**

24 cycles at 15 min. each (EN 60068-2-6)

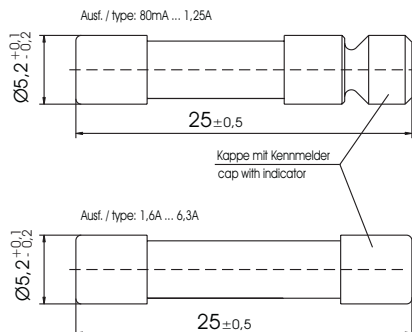
10 - 60Hz at 0.75mm amplitude

60 - 2000Hz at 10g acceleration

**Marking**

Ⓜ, M, Current Rating, 250V

## Dimensions (mm)



## Limits for Pre-arcing Time

| Rated Current   | $1.5 \times I_{\text{Rated}}$ | $2.1 \times I_{\text{Rated}}$ | $2.75 \times I_{\text{Rated}}$ | $4 \times I_{\text{Rated}}$ | $10 \times I_{\text{Rated}}$ |
|-----------------|-------------------------------|-------------------------------|--------------------------------|-----------------------------|------------------------------|
| 80mA ... 100mA  |                               | <2min                         |                                | 40ms ... 500ms              | 5ms ... 70ms                 |
| 125mA ... 1.25A | >1h                           | <2min                         | -                              | 60ms ... 2s                 | 5ms ... 70ms                 |
| 1.6A ... 10A    |                               | <30min                        |                                | 60ms ... 2s                 | 5ms ... 70ms                 |

## Permissible continuous operating current is ≤ 80% at ambient temperature of 23°C (73.4°F).

| Rated Current      | Amp Code<br>2 | Voltage Rating | Breaking Capacity                       | Voltage Drop<br>$1.0 \times I_{\text{Rated}}$<br>max. (mV) | Power Dissipation<br>$1.5 \times I_{\text{Rated}}$<br>max. (W) | Melting Integral<br>$10 \times I_{\text{Rated}}$<br>min. (A <sup>2</sup> s) | color of indicator |
|--------------------|---------------|----------------|-----------------------------------------|------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------|
| 80mA               | 0080          | 250V           | 80A @ 250 V AC<br>50Hz<br>cos φ = 1.0   | 520                                                        | on request                                                     | 0.015                                                                       | grey               |
| 100mA              | 0100          | 250V           |                                         | 500                                                        |                                                                | 0.030                                                                       | red                |
| 125mA              | 0125          | 250V           |                                         | 500                                                        |                                                                | 0.053                                                                       | velvet             |
| 160mA              | 0160          | 250V           |                                         | 400                                                        |                                                                | 0.11                                                                        | orange             |
| 200mA              | 0200          | 250V           |                                         | 400                                                        |                                                                | 0.23                                                                        | blue               |
| 250mA              | 0250          | 250V           |                                         | 375                                                        |                                                                | 0.38                                                                        | yellow             |
| 315mA              | 0315          | 250V           |                                         | 410                                                        |                                                                | 0.60                                                                        | black              |
| 400mA              | 0400          | 250V           |                                         | 280                                                        |                                                                | 0.75                                                                        | brown              |
| 500mA              | 0500          | 250V           |                                         | 250                                                        |                                                                | 1.5                                                                         | white              |
| 630mA              | 0630          | 250V           |                                         | 220                                                        |                                                                | 2.3                                                                         | green              |
| 800mA <sup>4</sup> | 0800          | 250V           | 1500A @ 250 V AC<br>50Hz<br>cos φ = 0.7 | 400                                                        | on request                                                     | 3.0                                                                         | grey               |
| 1A <sub>4</sub>    | 1100          | 250V           |                                         | 350                                                        |                                                                | 4.5                                                                         | red                |
| 1.25A <sub>4</sub> | 1125          | 250V           |                                         | 315                                                        |                                                                | 6.8                                                                         | velvet             |
| 1.6A <sub>1</sub>  | 1160          | 250V           |                                         | 480                                                        |                                                                | 2.3                                                                         | orange             |
| 2A <sub>1</sub>    | 1200          | 250V           |                                         | 360                                                        |                                                                | 4.5                                                                         | blue               |
| 2.5A <sub>1</sub>  | 1250          | 250V           |                                         | 300                                                        |                                                                | 7.5                                                                         | yellow             |
| 3.15A <sub>1</sub> | 1315          | 250V           |                                         | 250                                                        |                                                                | 30                                                                          | black              |
| 4A <sub>1</sub>    | 1400          | 250V           |                                         | 180                                                        |                                                                | 34                                                                          | brown              |
| 6.3A <sub>1</sub>  | 1630          | 250V           |                                         | 160                                                        |                                                                | 140                                                                         | green              |
| 8A <sub>1 2</sub>  | 1800          | 250V           |                                         | Ⓜ160                                                       |                                                                | 170                                                                         | grey               |
| 10A <sub>1 2</sub> | 2100          | 250V           |                                         | Ⓜ150                                                       |                                                                | 260                                                                         | red                |

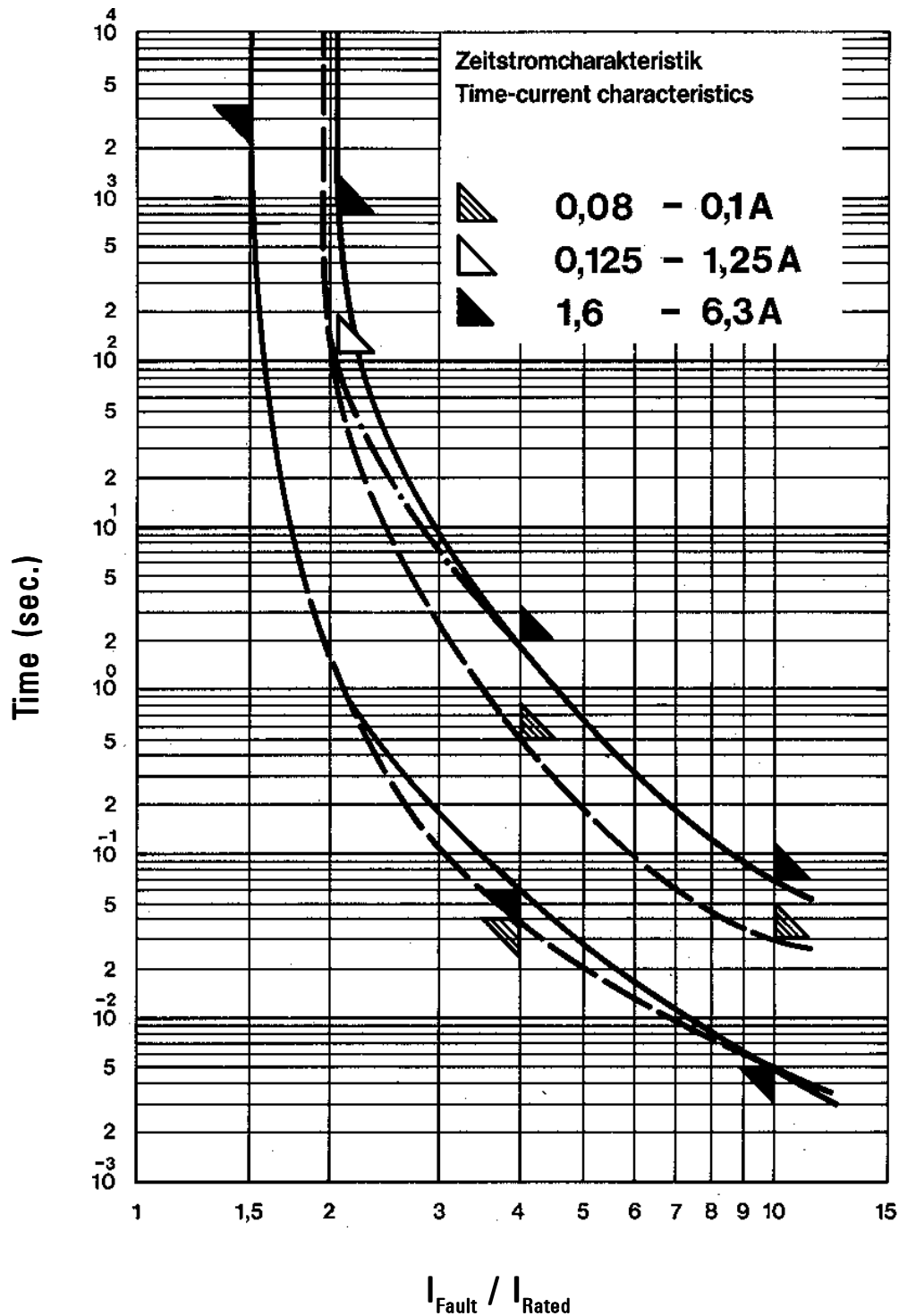
<sup>1</sup> 1.6 ... 10A looks like No. 240 <sup>2</sup> not mentioned in the norms <sup>3</sup> operating temperature ≥ 10V <sup>4</sup> according to DIN 41576, T.2

Note: 1.00 means the number one with two decimal places. 1.000 means the number one thousand.

**Order Information**

| Qty. | Order-<br>Number | Series | Amp Code | Packaging |
|------|------------------|--------|----------|-----------|
|      |                  | 241    |          |           |

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Contact Littelfuse for individual I-t curves