

# Components for system solutions

## Small fuse element

0.250 A

8560/51-4103 Art. No. 213080

STAHL



- Cost-effective miniature fuse for control circuits
- Disconnect characteristics: Fast-acting, medium time lag, and slow-acting
- Terminal cover with finger protection: IP20

MY R. STAHL 8560A



The R. STAHL Series 8560 small fuse element is a cost-effective miniature fuse for control circuits. It is designed for rated operational voltages up to 250 V and rated operational currents up to 6.3 A and is available with various disconnect characteristics. It is snapped onto normal rails (TS 15, 35, 32). The terminal cover with finger protection meets the specifications of the IP20 degree of protection.

## Technical Data

### Explosion Protection

|                                |                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------|
| Area of application            | European Union (ATEX)<br>CE Code<br>IECEx                                         |
| Application range (zones)      | 1, 2                                                                              |
| IECEx gas certificate          | IECEx PTB 06.0056U                                                                |
| IECEx gas explosion protection | Ex eb mb IIC T4 ... T6 Gb                                                         |
| ATEX gas certificate           | PTB 99 ATEX 2158 U                                                                |
| ATEX gas explosion protection  | II 2 G Ex eb mb IIC T4 ... T6 Gb                                                  |
| Certificate cUL                | E182378V1S6                                                                       |
| Marking cUL                    | Class I, Zone 1, Ex e m II T6...T4<br>Class I, Div. 2, Groups A,B,C,D, T6...T4    |
| Certificates                   | ATEX (PTB), Brazil (ULB), Canada (UL), IECEx (PTB)                                |
| Notes                          | Product label may vary. Series devices are labelled with ATEX, IECEx and CE Code. |

### Electrical Data

|                              |             |
|------------------------------|-------------|
| Rated operational voltage AC | 250 V       |
| Rated operational current    | 0.25 A      |
| Rated breaking capacity max  | 35 A        |
| Characteristic               | Fast-acting |

### Ambient Conditions

|                     |                                                                               |
|---------------------|-------------------------------------------------------------------------------|
| Ambient temperature | -50 °C ... +70 °C (T4)<br>-50 °C ... +70 °C (T5)<br>-50 °C ... +56 °C (T6)    |
| Ambient temperature | -58 °F ... +158 °F (T4)<br>-58 °F ... +158 °F (T5)<br>-58 °F ... +132 °F (T6) |
| Storage temperature | -25 °C ... +70 °C                                                             |
| Storage temperature | -13 °F ... +158 °F                                                            |

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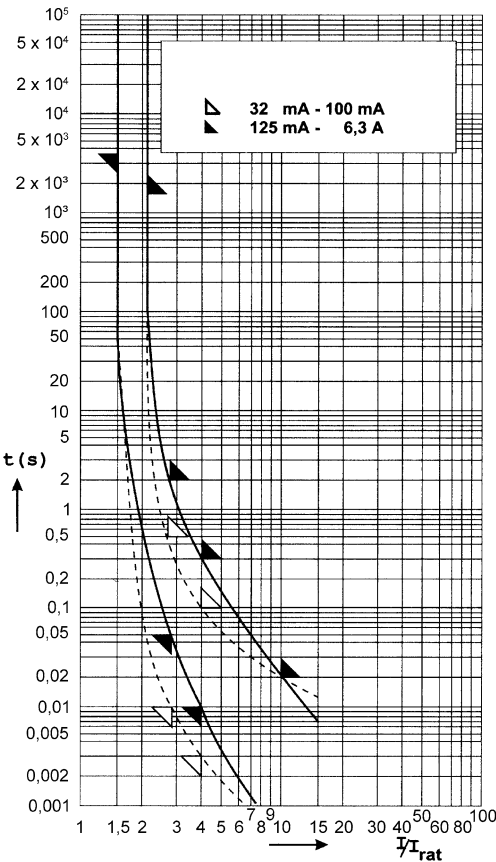
### Mechanical Data

|                              |                                                                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Degree of protection (IP)    | IP20                                                                                                                                                                                                                                                                          |
| Enclosure material           | Polyamide                                                                                                                                                                                                                                                                     |
| Connection cross section     | 0.75 ... 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                  |
| Connection cross-section AWG | 20 AWG ... 14 AWG                                                                                                                                                                                                                                                             |
| Type of connection cable     | Finely stranded<br>Stranded                                                                                                                                                                                                                                                   |
| Width                        | 18.5 mm                                                                                                                                                                                                                                                                       |
| Width, inches                | 0.73 in                                                                                                                                                                                                                                                                       |
| Height                       | 40 mm                                                                                                                                                                                                                                                                         |
| Height in inches             | 1.58 in                                                                                                                                                                                                                                                                       |
| Length                       | 46 mm                                                                                                                                                                                                                                                                         |
| Length in inches             | 1.81 in                                                                                                                                                                                                                                                                       |
| Packaging unit               | 5                                                                                                                                                                                                                                                                             |
| Weight                       | 240 g                                                                                                                                                                                                                                                                         |
| Weight                       | 0.53 lb                                                                                                                                                                                                                                                                       |
| Note                         | The fuse can be snapped onto the mounting rails listed below:<br>DIN rail TS 15 (according to DIN EN 60715)<br>DIN rail TS 35 x 7.5 (according to DIN EN 60715)<br>G-rail TS 32 (according to DIN EN 60715)<br>The fuse may only be replaced when the system is de-energised. |

### Mounting / Installation

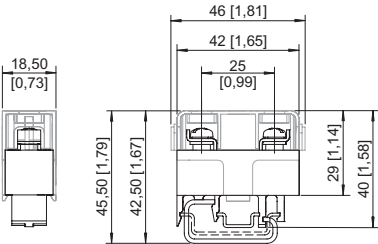
|                          |              |
|--------------------------|--------------|
| Tightening torque        | 1.2 N · m    |
| Tightening torque lbf in | 10.62 lbf in |

Technical Drawings – Subject to Alterations



8560/51-...3.250 V, fast-acting

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.