

8453C4-12-T1A Art. No. 322371



- Control element for individual equipping with numerous electric and electronic components
- Flameproof (Ex d) enclosure with increased safety (Ex e) screw terminals
- Connection cross-section 0.75 to 2.5 mm<sup>2</sup>, solid/finely stranded
- Easy to mount on mounting rail

MY R. STAHL 8453F



The Series 8453 control units from R. STAHL are components with the flameproof enclosure (Ex d) type of protection for installation in enclosures with increased safety (Ex e). They contain electronic and electric components such as resistors, diodes, voltage limiters and fuses. Their compact design makes them ideal for applications where space is critical.

### Technical Data

#### Explosion Protection

|                                 |                                                                           |
|---------------------------------|---------------------------------------------------------------------------|
| Application range (zones)       | 1, 2                                                                      |
| IECEEx gas certificate          | IECEEx EPS 24.0108U                                                       |
| IECEEx gas explosion protection | Ex db eb IIC T6 Gb                                                        |
| ATEX gas certificate            | EPS 23 ATEX 1235 U                                                        |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb IIC T6 Gb                                              |
| Certificates                    | Canada / USA (UL), Canada (UL)                                            |
| Explosion protection note       | Product label may vary. Series devices are labelled with ATEX and IECEEx. |

#### Electrical Data

|                             |                  |
|-----------------------------|------------------|
| AC rated voltage            | 305 V            |
| DC rated voltage            | 250 V            |
| Time-current characteristic | T                |
| Rated current               | 1 A              |
| Max. power dissipation      | 640 mW           |
| Rated breaking capacity     | 1500 A @ 305 VAC |

#### Ambient Conditions

|                     |                   |
|---------------------|-------------------|
| Ambient temperature | -55 °C ... 70 °C  |
| Ambient temperature | -67 °F ... 158 °F |

#### Mechanical Data

|                                               |                              |
|-----------------------------------------------|------------------------------|
| Degree of protection (IP) (IEC 60529)         | IP20                         |
| Enclosure material                            | Polyamide                    |
| Silicone-free                                 | Yes                          |
| Connection cross-section, solid               | 0.75 ... 2.5 mm <sup>2</sup> |
| Connection cross-section, solid AWG           | 19 AWG ... 14 AWG            |
| Connection cross-section, finely stranded     | 0.75 ... 2.5 mm <sup>2</sup> |
| Connection cross-section, finely stranded AWG | 19 AWG ... 14 AWG            |

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Mechanical Data

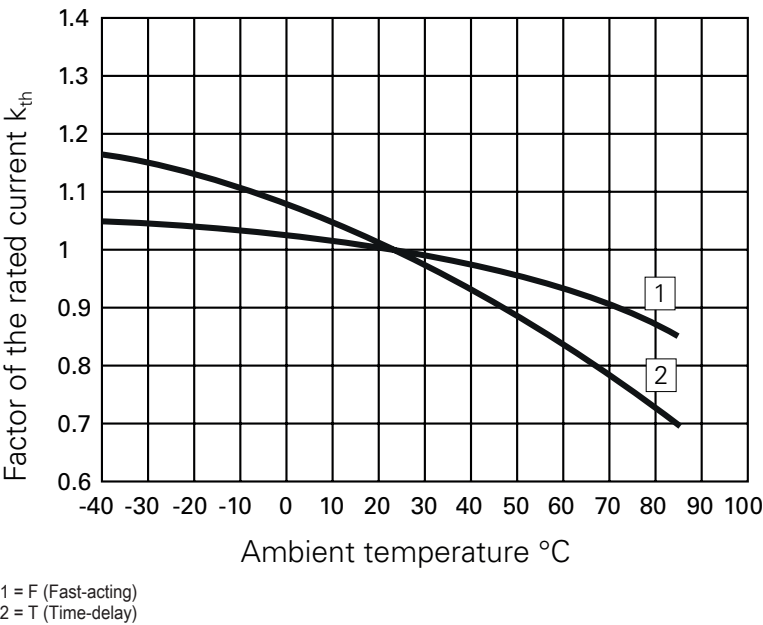
|                                                                     |                   |
|---------------------------------------------------------------------|-------------------|
| Connection cross-section with core end sleeves, finely stranded     | 0.75 ... 2.5 mm²  |
| Connection cross-section with core end sleeves, finely stranded AWG | 19 AWG ... 14 AWG |
| Weight                                                              | 34 g              |
| Weight                                                              | 0.07 lb           |

Mounting / Installation

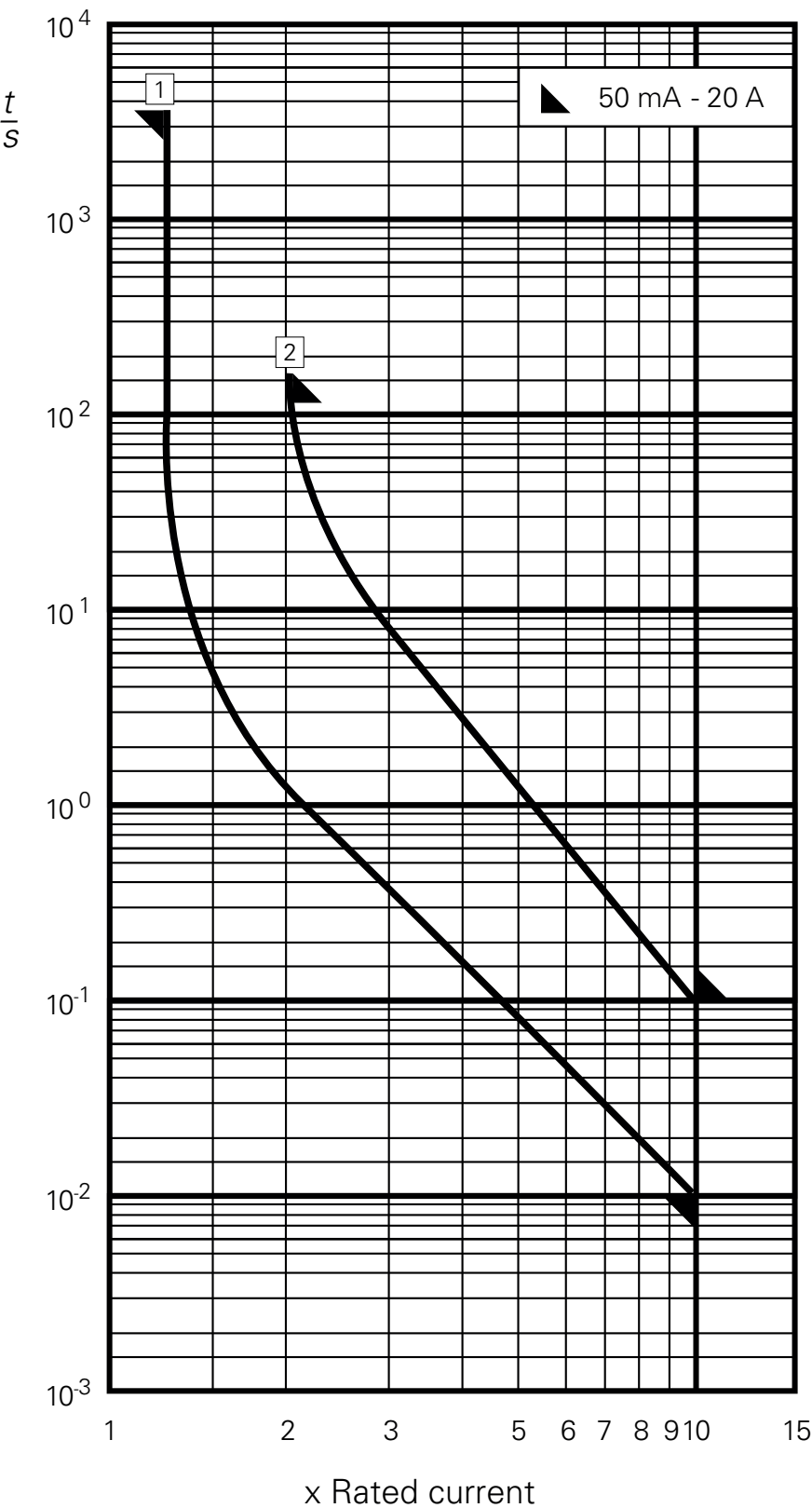
|                          |              |
|--------------------------|--------------|
| Tightening torque        | 1.2 N · m    |
| Tightening torque lbf in | 10.62 lbf in |

Technical Drawings – Subject to Alterations

  
8453/4-12 microfuse



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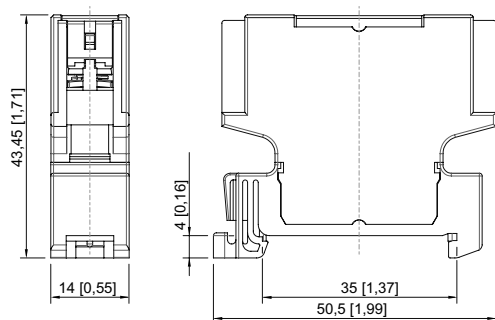


Time-current characteristic  
1 = min. tripping time  
2 = max. tripping time

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**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.