

8523/82-06-020 Art. No. 217718



- Safe switching for protecting Ex e motors
- Release: Non-adjustable fast short-circuit release, adjustable thermal overcurrent release
- Undervoltage releases and shunt trips are also options
- Optional auxiliary contacts: 1 NC + 1 NO or 2 NC + 2 NO

### MY R. STAHL 8523A



R. STAHL Series 8523/8 motor protection moulded case circuit breakers protect and switch Ex e motors with a non-adjustable fast short-circuit release and a thermal overcurrent release adjustable at the switch. The switch is actuated using a rotary actuator and the switching position is always easy to see. You can set different current ranges.

## Technical Data

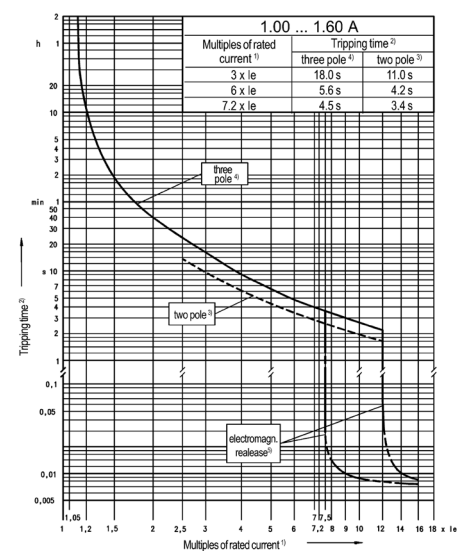
| Explosion Protection                 |                                                               |
|--------------------------------------|---------------------------------------------------------------|
| Application range (zones)            | 1, 2                                                          |
| IECEEx gas certificate               | IECEEx BVS 08.0039U                                           |
| IECEEx gas explosion protection      | Ex db eb IIC Gb                                               |
| IECEEx firedamp certificate          | IECEEx BVS 08.0039U                                           |
| IECEEx firedamp protection           | Ex db eb I Mb                                                 |
| ATEX gas certificate                 | DMT 01 ATEX E 153 U                                           |
| ATEX gas explosion protection        | Ex II 2 G Ex db eb IIC Gb                                     |
| ATEX firedamp certificate            | DMT 01 ATEX E 153 U                                           |
| ATEX firedamp protection             | Ex I M2 Ex db eb I Mb                                         |
| Certificates                         | ATEX (BVS), Brazil (ULB), Canada (FM), IECEEx (BVS), USA (FM) |
| Electrical Data                      |                                                               |
| AC rated operational voltage         | 690 V                                                         |
| Frequency                            | 50/60 Hz                                                      |
| Switching capacity                   | 12.5 kW/400 V                                                 |
| Release                              | without                                                       |
| AC release voltage                   |                                                               |
| Current-setting range                | 1 – 1.6 A                                                     |
| Auxiliary contacts                   | 1 NC + 1 NO                                                   |
| Rated operating voltage HIKO         | 500 V                                                         |
| No. of poles                         | 3                                                             |
| Ambient Conditions                   |                                                               |
| Ambient temperature                  | -20 °C ... +60 °C                                             |
| Mechanical Data                      |                                                               |
| Enclosure material                   | Epoxy resin or polyester resin                                |
| Connection cross section min.        | 1.5 mm <sup>2</sup>                                           |
| Max. connection cross section, solid | 10 mm <sup>2</sup>                                            |

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Mechanical Data

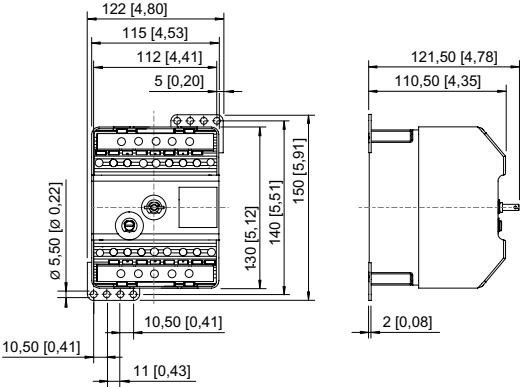
|                                                                  |                                  |
|------------------------------------------------------------------|----------------------------------|
| Max. connection cross-section, finely stranded                   | 10 mm²                           |
| Min. aux. cont. con. cr.-sect.                                   | 0.75 mm²                         |
| Max. auxiliary contact connection cross-section, solid           | 2.5 mm²                          |
| Max. auxiliary contact connection cross section, finely stranded | 1.5 mm²                          |
| Service life, min.                                               | 10 <sup>5</sup> operating cycles |
| Enclosure size                                                   | 130 mm x 115 mm x 110.5 mm       |
| Weight                                                           | 1.9 kg                           |
| Weight                                                           | 4.19 lb                          |

Technical Drawings – Subject to Alterations



- <sup>1)</sup> Multiple of the nominal current
- <sup>2)</sup> Tripping time
- <sup>3)</sup> 2-pole
- <sup>4)</sup> 3-pole
- <sup>5)</sup> Electromagnetic tripping

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



8523/82  
moulded case circuit breaker for motor protection  
Design size 2, with auxiliary contacts

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Accessories

| Cable jumper                                                                     |                                                                     | Art. No. |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------|----------|
|  | for undervoltage release, length: 300 mm<br>(two jumpers necessary) | 147121   |

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.