

8510/122-06-022-11 Art. No. 210996



- Relay module for installation in Ex e enclosures
- Isolator system for process automation
- Connection of sensors, actuators and transmitters

**MY R. STAHL 8510W**



Series 8510 Ex i relay modules are used as an isolator system for process automation and for connecting sensors, actuators and transmitters. They are installed in Ex e enclosures. Outputs and auxiliary power are galvanically separated from one another.

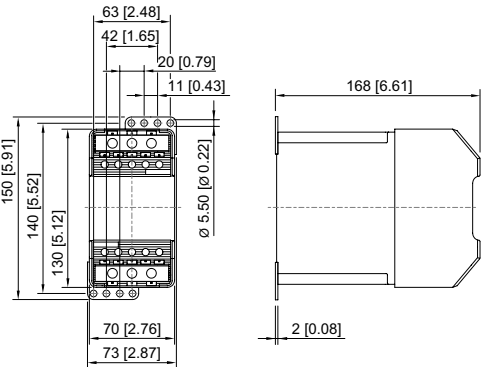
### Technical Data

|                                 |                                                                            |
|---------------------------------|----------------------------------------------------------------------------|
| <b>Explosion Protection</b>     |                                                                            |
| Application range (zones)       | 1, 2                                                                       |
| IECEX gas certificate           | IECEX BVS 07.0029U                                                         |
| IECEX gas explosion protection  | Ex db eb [ia Ga] IIC/IIB                                                   |
| IECEX firedamp certificate      | IECEX BVS 07.0029U                                                         |
| IECEX firedamp protection       | Ex db eb I                                                                 |
| ATEX gas certificate            | DMT 00 ATEX E 073 U                                                        |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb [ia Ga] IIC/IIB                                         |
| ATEX firedamp certificate       | DMT 00 ATEX E 073 U                                                        |
| ATEX firedamp protection        | Ex I M2 Ex db eb I                                                         |
| Certificates                    | ATEX (BVS), Brazil (ULB), Canada (FM), China (CQST), IECEX (BVS), USA (FM) |
| <b>Safety Data</b>              |                                                                            |
| Max. voltage $U_o/V_{oc}$       | 9.6 V                                                                      |
| Max. current $I_o/I_{sc}$       | 10 mA                                                                      |
| Max. power $P_o$                | 24 mW                                                                      |
| <b>Electrical Data</b>          |                                                                            |
| Number of channels              | 2                                                                          |
| <b>Auxiliary Power</b>          |                                                                            |
| Nominal voltage $V_{nom}$       | 120 V / 230 V AC                                                           |
| <b>Output</b>                   |                                                                            |
| Output per channel              | 2 change-over contact                                                      |
| <b>Ambient Conditions</b>       |                                                                            |
| Ambient temperature °C          | -20 °C ... +60 °C                                                          |
| <b>Mechanical Data</b>          |                                                                            |
| Degree of protection (IP)       | IP20                                                                       |
| Enclosure material              | Epoxy resin                                                                |
| Min. connection terminals       | 1.5 mm <sup>2</sup>                                                        |
| Max. solid connection terminals | 10 mm <sup>2</sup>                                                         |

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|                                                                  |                          |
|------------------------------------------------------------------|--------------------------|
| <b>Mechanical Data</b>                                           |                          |
| Max. finely stranded connection terminals                        | 6 mm²                    |
| Min. auxiliary contact connection terminals                      | 0,75 mm²                 |
| Max. auxiliary contact connection cross-section, solid           | 2.5 mm²                  |
| Max. auxiliary contact connection cross section, finely stranded | 1.5 mm²                  |
| Type of connection cable                                         | Solid<br>Finely stranded |
| Width                                                            | 70 mm                    |
| Height                                                           | 130 mm                   |
| Depth                                                            | 168 mm                   |
| Built-in device                                                  | 9170/21-12-21            |
| Weight                                                           | 1.47 kg                  |
| Weight                                                           | 3.24 lb                  |

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



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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.