

8510/112-07-408-022 Art. No. 202159



- Type-tested standard components for time-delayed switching
- Time delays of up to 300 hours, wide-range control voltage
- Release-delayed and response-delayed variants, also with wiping function

MY R. STAHL 85100



The R. STAHL Series 8510 time relay is a type-tested standard component for time-delayed switching – with a delay of up to 300 hours. It is available in release-delayed and response-delayed variants, as well as with a wiping function (only Y-Δ time relay), and with various contact types. The corrosion-resistant enclosure can be screwed into Ex e enclosures so that it is protected against vibrations.

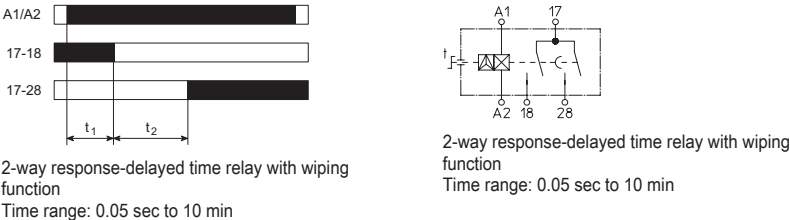
### Technical Data

| Explosion Protection           |                                         |
|--------------------------------|-----------------------------------------|
| Ex version                     | Yes                                     |
| Application range (zones)      | 1, 2                                    |
| IECEx gas certificate          | IECEx BVS 07.0029U                      |
| IECEx gas certificate          | IECEx BVS 07.0029U                      |
| IECEx gas explosion protection | Ex de IIC                               |
| IECEx firedamp certificate     | IECEx BVS 07.0029U                      |
| IECEx firedamp protection      | Ex de I                                 |
| ATEX gas certificate           | DMT 00 ATEX E 073 U                     |
| ATEX gas certificate           | DMT 00 ATEX E 073 U                     |
| ATEX gas explosion protection  | Ex II 2 G Ex de IIC                     |
| ATEX firedamp certificate      | DMT 00 ATEX E 073 U                     |
| ATEX firedamp protection       | Ex I M2 Ex de I                         |
| Certificates                   | Brazil (ULB), China (CQST), IECEx (BVS) |
| Electrical Data                |                                         |
| AC rated actuation voltage     | 24 – 240 V                              |
| DC rated actuation voltage     | 24 – 48 V                               |
| Frequency Hz (for AC)          | 60<br>50                                |
| Auxiliary contacts             | 2 (2 NO)                                |
| Ambient Conditions             |                                         |
| Ambient temperature            | -20 °C ... +60 °C                       |
| Mechanical Data                |                                         |
| Version                        | Double response-delayed                 |
| Degree of protection (IP)      | IP20                                    |
| Enclosure material             | Epoxy resin                             |
| Min. connection terminals      | 0.75 mm <sup>2</sup>                    |

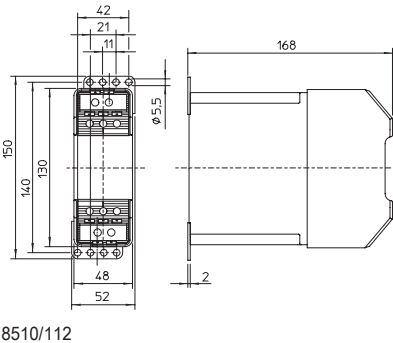
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|                                           |                          |
|-------------------------------------------|--------------------------|
| <b>Mechanical Data</b>                    |                          |
| Max. solid connection terminals           | 2.5 mm²                  |
| Max. finely stranded connection terminals | 1.5 mm²                  |
| Type of connection cable                  | Finely stranded<br>Solid |
| Width                                     | 48 mm                    |
| Height                                    | 130 mm                   |
| Depth                                     | 168 mm                   |
| Weight                                    | 1.25 kg                  |
| Weight                                    | 2.76 lb                  |
| <b>Components</b>                         |                          |
| Min. time range                           | 0,05 s                   |
| Max. time range                           | 10 min                   |

Technical Drawings – Subject to Alterations



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.