

8146/5-ExV-06-06L16C1P-D Art. No. 137135



- Standard versions with short delivery times, customer-specific options possible
- With miniature circuit breaker, tripping characteristic C
- With residual current circuit breaker with overcurrent release, tripping characteristic C
- Rated currents 10, 16, 20, 25 A

MY R. STAHL 8146D



R. STAHL Series 8146 lighting and heating panels are modular and are therefore available in a large number of standard variants which are available for rapid delivery. Customer-specific options are also possible. The circuit breakers are installed beneath a inspection window and can also be actuated from the outside, even under voltage. The switching position is visible at all times.

Technical Data

Explosion Protection

| | |
|---------------------------------|---|
| Application range (zones) | 1 2 21 22 |
| IECEX gas certificate | IECEX PTB 06.0090 |
| IECEX gas explosion protection | Ex db eb IIC T6 Gb |
| IECEX dust certificate | IECEX PTB 06.0090 |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db |
| ATEX gas certificate | PTB 01 ATEX 1024 |
| ATEX gas explosion protection | Ex II 2 G Ex db eb IIC T6 Gb |
| ATEX dust certificate | PTB 01 ATEX 1024 |
| ATEX dust explosion protection | Ex II 2 D Ex tb IIIC T80 °C Db |
| Certificates | ATEX (PTB), Canada (FM), China (NEPSI), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI), USA (FM) |
| Declaration of Conformity | ATEX (EUK), China (CCC) |
| Explosion protection note | Product label may vary. Series devices have certification according to ATEX and IECEX. |

Electrical Data

| | |
|------------------------------|---|
| Rated operational voltage AC | 230 – 400 V |
| Rated operational current | 32 A (T6) |
| Layout No. | 06 |
| Frequency range | 50 – 60 Hz |
| Notes | depending on terminal types and explosion-protected components used |

Ambient Conditions

| | |
|---------------------|-------------------|
| Ambient temperature | -20 °C ... +40 °C |
|---------------------|-------------------|

Mechanical Data

| | |
|---------------------------------------|------|
| Degree of protection (IP) | IP66 |
| Degree of protection (IP) (IEC 60529) | IP66 |

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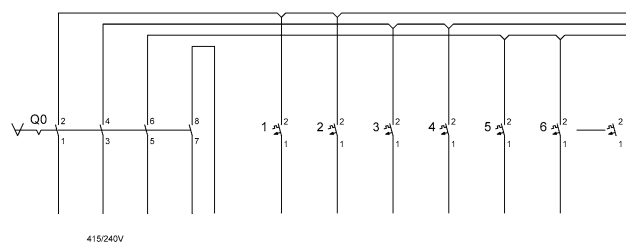
Mechanical Data

| | |
|---|---|
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Enclosure colour | Grey |
| Flame retardant acc. | IEC/EN 60695, UL 94, ASTM D635 |
| Max. finely stranded connection terminals | 35 mm ² |
| Width | 681.5 mm |
| Height | 340.5 mm |
| Depth | 190 mm |
| Impact strength (IEC 60079) | 7 J |
| Weight | 25 kg |
| Weight | 55.12 lb |

Components

| | |
|------------------------|---|
| Locking device present | Yes |
| Built-in unit 2 | 6 x Miniature circuit breaker 1-pole 16A / C / 6 kA |
| Entry 1 | 1 x 8161/7-M40-2812 |
| Entry 2 | 6 x 8161/7-M25-1707 |
| Entry 3 | 1 x 8161/7-M16-0902 |
| Earth rail | 12 x 10 mm ² (2x) |

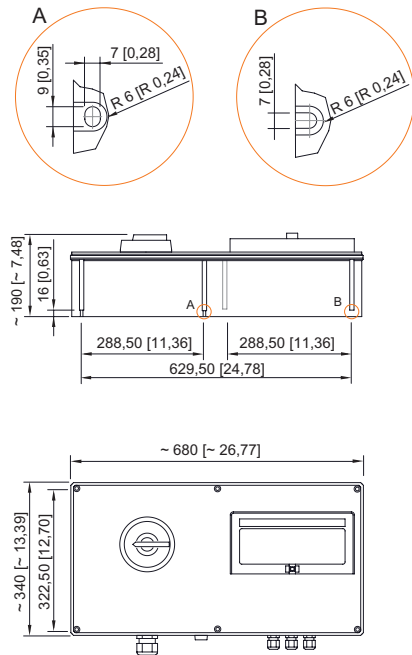
Technical Drawings – Subject to Alterations



Circuit Diagram 8146/5-ExV-...1P-D; 8264/5-ExV-...1P-D

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



Layout 06

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.