

# TTC-6-FMRS-PT - Remote signaling set



2907811  
<https://www.phoenixcontact.com/us/products/2907811>

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Module set for the optical monitoring and floating remote signaling of adjacent surge protective devices in the TERMITRAB complete or CLIXTRAB product family. Suitable for directly grounded DIN rails.

## Your advantages

- Space-saving and cost-saving with a narrow overall width of just 6 mm
- Collective remote monitoring of up to 40 protective devices via optical monitoring
- Finding the right product for all possible requirements in MCR applications is easy, thanks to the complete range of products with customized features

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2907811             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | CL23                |
| Product key                          | CL226Z              |
| Catalog page                         | Page 127 (C-4-2019) |
| GTIN                                 | 4055626244419       |
| Weight per piece (including packing) | 74.114 g            |
| Weight per piece (excluding packing) | 71.7 g              |
| Customs tariff number                | 85363010            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|                |                            |
|----------------|----------------------------|
| Product type   | Remote signaling set       |
| Product family | TERMITRAB complete         |
| Type           | DIN rail module, one-piece |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 12 |
|------------------|----|

### Insulation characteristics

|                  |   |
|------------------|---|
| Pollution degree | 2 |
|------------------|---|

### Electrical properties

#### Indicator/remote signaling

|                    |             |
|--------------------|-------------|
| Switching function | N/C contact |
|--------------------|-------------|

#### Supply: Status indicator/remote signaling

|                   |                     |
|-------------------|---------------------|
| Operating voltage | 10 V DC ... 36 V DC |
| Operating current | 30 mA DC (24 V)     |
|                   | 60 mA DC (10 V)     |

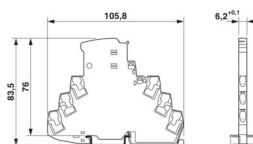
### Connection data

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection method                | Push-in connection                          |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section rigid    | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross section AWG      | 24 ... 12                                   |

### Ex data

|          |                 |
|----------|-----------------|
| Altitude | ≤ 2000 m (amsl) |
|----------|-----------------|

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 12.6 mm +0.1 mm                                                                      |
| Height              | 105.8 mm                                                                             |
| Depth               | 83.5 mm (incl. DIN rail 7.5 mm)                                                      |

### Material specifications

|       |                 |
|-------|-----------------|
| Color | gray (RAL 7042) |
|       | gray (RAL 7042) |

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|                                        |     |
|----------------------------------------|-----|
| Flammability rating according to UL 94 | V-0 |
| Insulating material                    | PBT |
| Housing material                       | PBT |

## Protective circuit

|                                |                                   |
|--------------------------------|-----------------------------------|
| Surge protection fault message | Optical, remote indicator contact |
|--------------------------------|-----------------------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP20             |
| Ambient temperature (operation)         | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Altitude                                | ≤ 4000 m (amsl)  |
| Permissible humidity (operation)        | 5 % ... 95 %     |

## Approvals

### Conformity/Approvals

|                  |                                        |
|------------------|----------------------------------------|
| UL, USA / Canada | Class I, Div. 2, Groups A, B, C, D T4A |
|------------------|----------------------------------------|

## Standards and regulations

|                          |                |
|--------------------------|----------------|
| Standards/specifications | EN 61000-6-2   |
| Note                     | 2005           |
| Standards/specifications | EN 61000-6-3   |
| Note                     | 2007 + A1:2011 |
| Standards/specifications | EN IEC 60079-0 |
| Note                     | 2018           |
| Standards/specifications | EN IEC 60079-7 |
| Note                     | 2015 + A1:2018 |
| Standards/specifications | IEC 60079-0    |
| Note                     | 2017           |
| Standards/specifications | IEC 60079-7    |
| Note                     | 2017           |

## Mounting

|               |                          |
|---------------|--------------------------|
| Mounting type | DIN rail: TH 35 - 7.5 mm |
|---------------|--------------------------|

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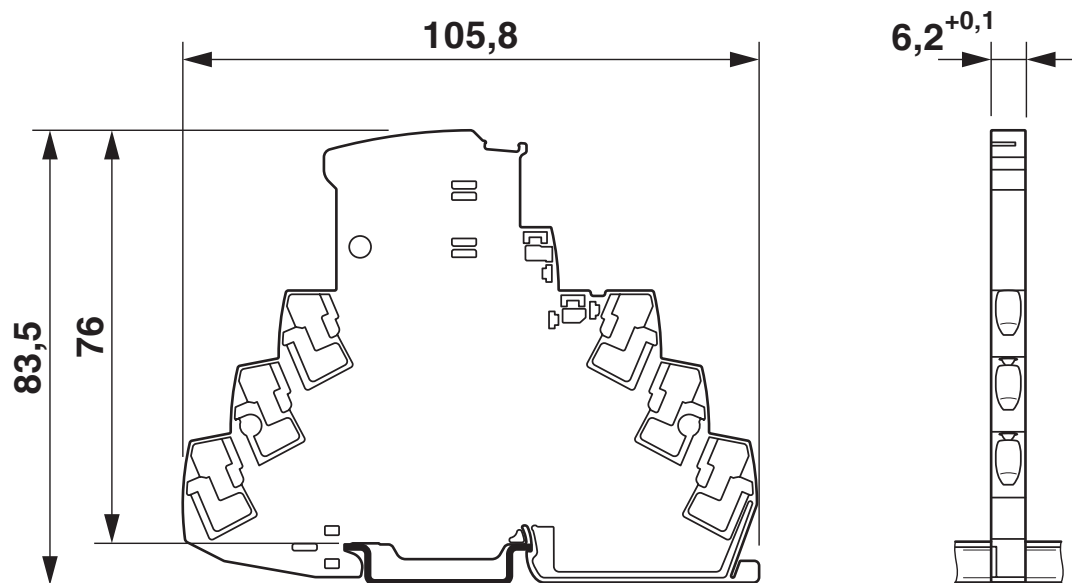
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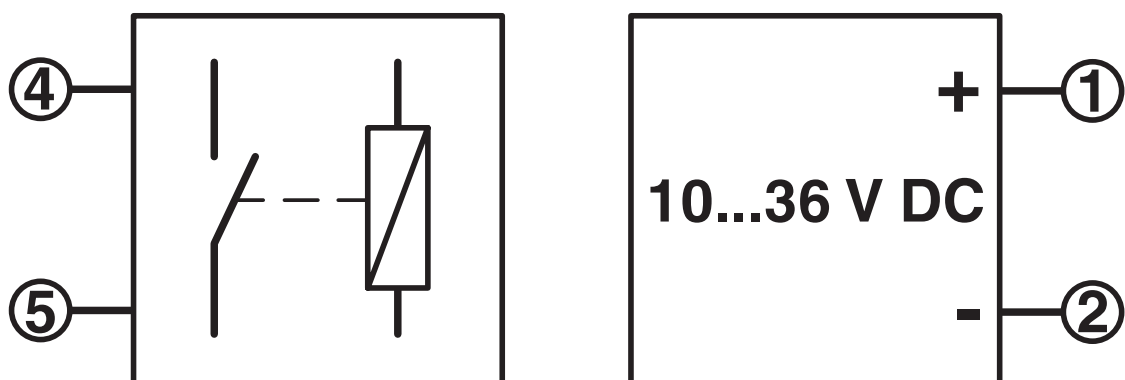


## Drawings

Dimensional drawing



Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907811>



**CSA**

Approval ID: 70136717



**DNV GL**

Approval ID: TAE000027G



**UL Listed**

Approval ID: FILE E 138168



**CSAus**

Approval ID: 70136717

**UAE-RoHS**

Approval ID: 22-06-16192



**cUL Listed**

Approval ID: FILE E 333250



**UL Listed**

Approval ID: FILE E 333250



**IECEx**

Approval ID: IECEx BVS 21.0057X



**CCC**

Approval ID: 2022122304116080



**ATEX**

Approval ID: BVS 21 ATEX E 052 X

**cCSAus**

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27130813 |
| ECLASS-13.0 | 27171501 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000943 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121600 |
|-------------|----------|

Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 7(a), 7(c)-I                                                                                                                                                                                                                      |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | Lead(CAS: 7439-92-1)                                                                                                                                                                                                              |
|                                         | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)                                                                                                                                                                    |
| SCIP                                    | 404112db-b5dc-4992-8955-8f97a060af28                                                                                                                                                                                              |

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## Accessories

### ZBF 6 CUS - Zack Marker strip, flat

0825027

<https://www.phoenixcontact.com/us/products/0825027>



Zack Marker strip, flat, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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### ZBF 6:UNBEDRUCKT - Zack Marker strip, flat

0808710

<https://www.phoenixcontact.com/us/products/0808710>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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## ZBF 6/WH-100:UNBEDRUCKT - Zack Marker strip, flat

0808736

<https://www.phoenixcontact.com/us/products/0808736>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 1000

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## ZBF 6,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808765

<https://www.phoenixcontact.com/us/products/0808765>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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## CLIPFIX 35-5 - End bracket

3022276

<https://www.phoenixcontact.com/us/products/3022276>



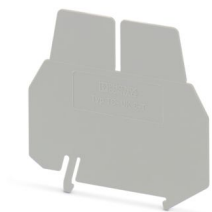
Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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## TS-UK 6-T - Separating plate

3072820

<https://www.phoenixcontact.com/us/products/3072820>



Separating plate, depth: 62.5 mm, width: 1 mm, height: 66.5 mm, color: gray

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## TTC-EX-PP - Separating plate

1011977

<https://www.phoenixcontact.com/us/products/1011977>

Partition plate for NS-35/7,5 DIN rails to ensure a clearance of 50 mm between the remote signaling module and surge protection in TTC-EX systems.



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## X-PEN 0,35 - Marker pen

0811228

<https://www.phoenixcontact.com/us/products/0811228>

Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm



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