

TTC-6-FMRS-UT - Remote signaling set



2907810

<https://www.phoenixcontact.com/us/products/2907810>

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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 | 2907810 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL23 |
| Product key | CL226Z |
| GTIN | 4055626244402 |
| Weight per piece (including packing) | 83.3 g |
| Weight per piece (excluding packing) | 67.5 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 |

Insulation characteristics

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

Electrical properties

Indicator/remote signaling

| | |
|--------------------|-------------------|
| Switching function | N/C contact 2.5 Ω |
|--------------------|-------------------|

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) |

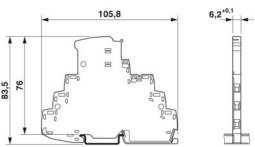
Connection data

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

Ex data

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

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 6.2 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) |
| Flammability rating according to UL 94 | V-0 |

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| | |
|---------------------|-----|
| 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 |
|---------------|--------------------------|

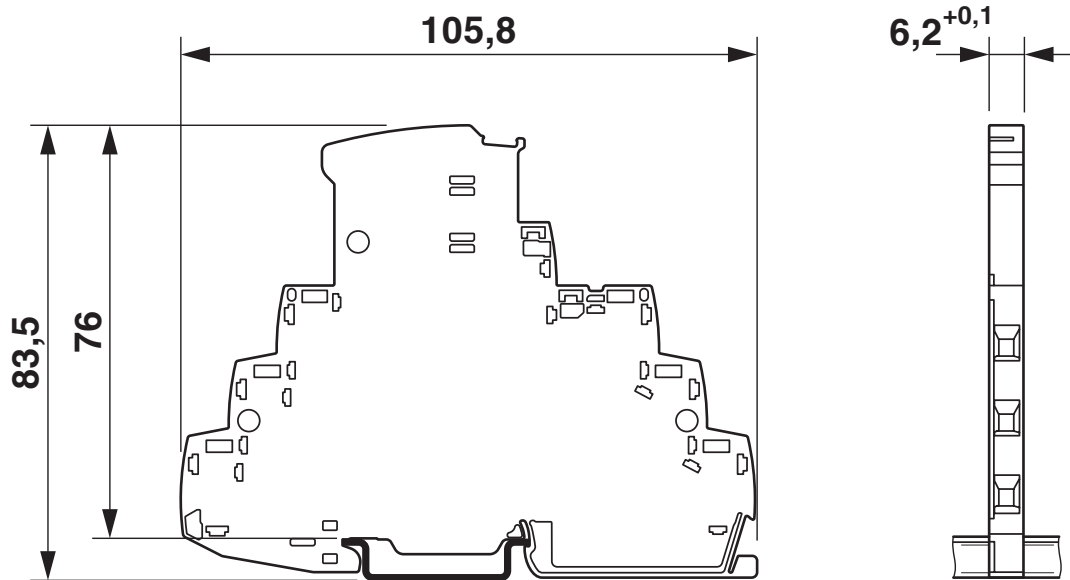
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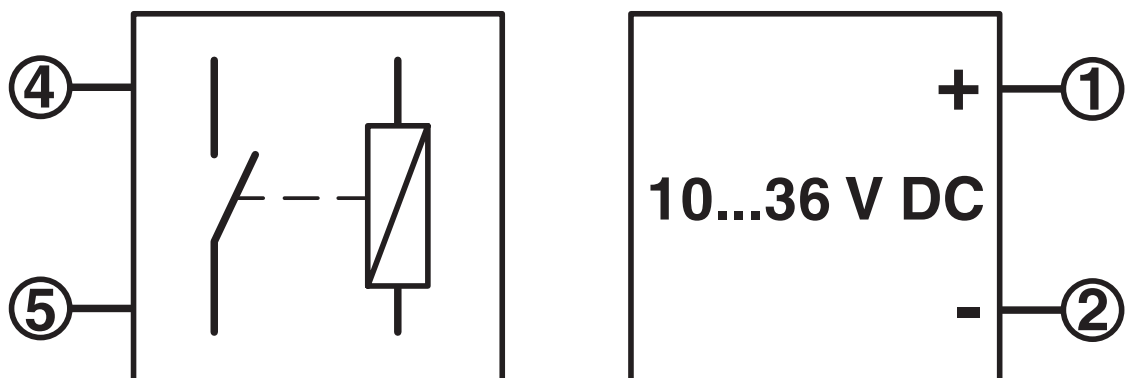
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Drawings

Dimensional drawing



Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907810>



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



IECEx

Approval ID: IECEx BVS 21.0057X



ATEX

Approval ID: BVS 21 ATEX E 052 X



cULus Listed

Approval ID: File E 333250

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27171501 |
| ECLASS-15.0 | 27171501 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001466 |
|-----------|----------|

UNSPSC

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

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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 | 11abee79-7d00-43f8-8b6d-e07893bd233f |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 3.199 kg CO2e |
|---------|---------------|

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