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## SynCon TRKS 10, TRKSD 10 and TRKS 10/3

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### Attributes

This type family has been developed for direct assembly on the coil body with integrated installation chambers. All terminals can also be snapped onto aluminium transformer rails 2 x 10 mm and 2 x 35 mm in size.

The type series includes:

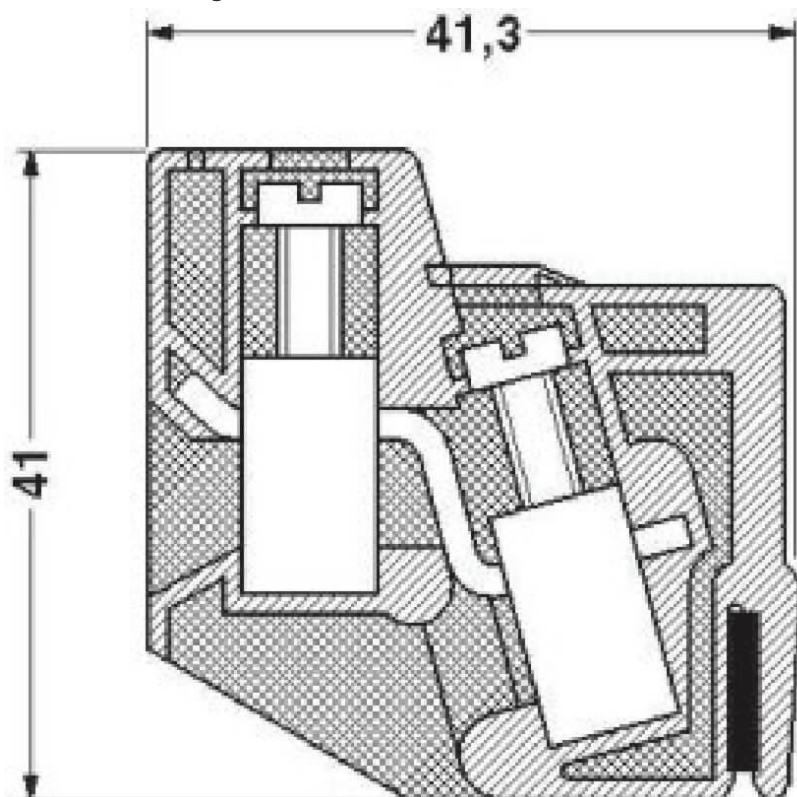
- Single, double and triple terminals with screw connections
- Single and double terminals with combined screw/push-on blade connections
- Green/yellow PE terminals for screw connecting and welding to the core stack
- Fuse terminals for the relevant 5 x 20 mm, 5 x 30 mm and 6.3 x 32 mm cartridge fuse links
- Single, double and triple terminals with a connection capacity of 10 mm<sup>2</sup>

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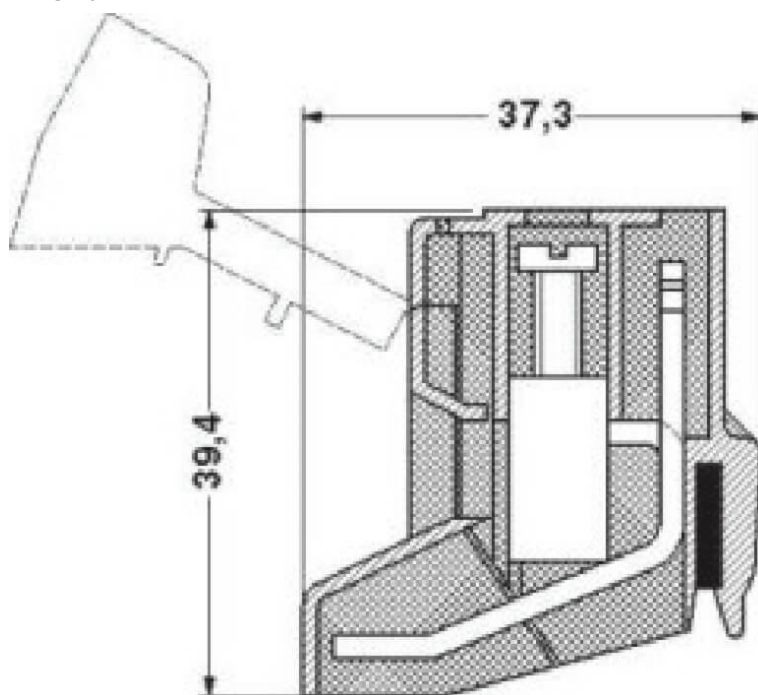
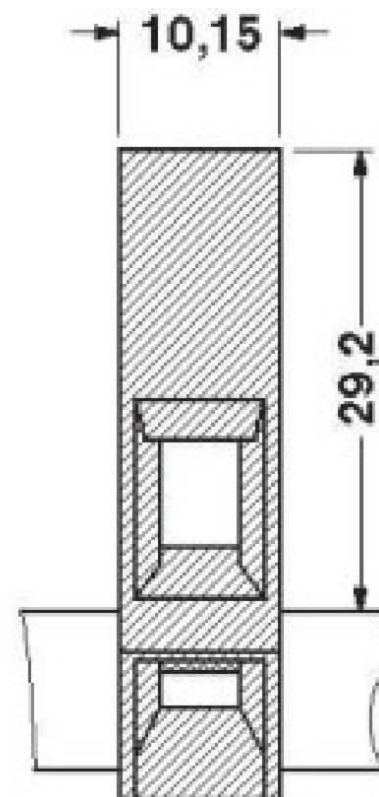
### Delivery forms

50 pieces per package

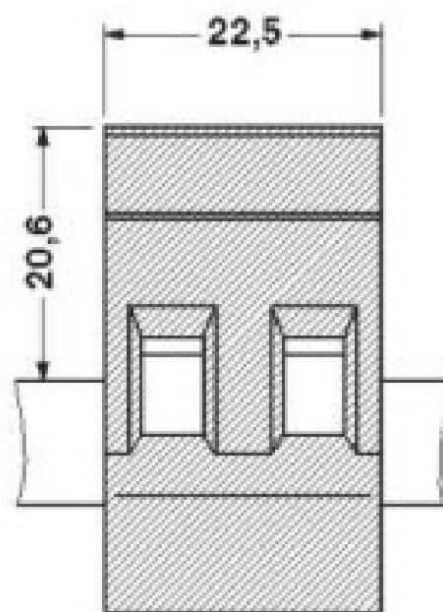
## Technical drawing



TRKS 10



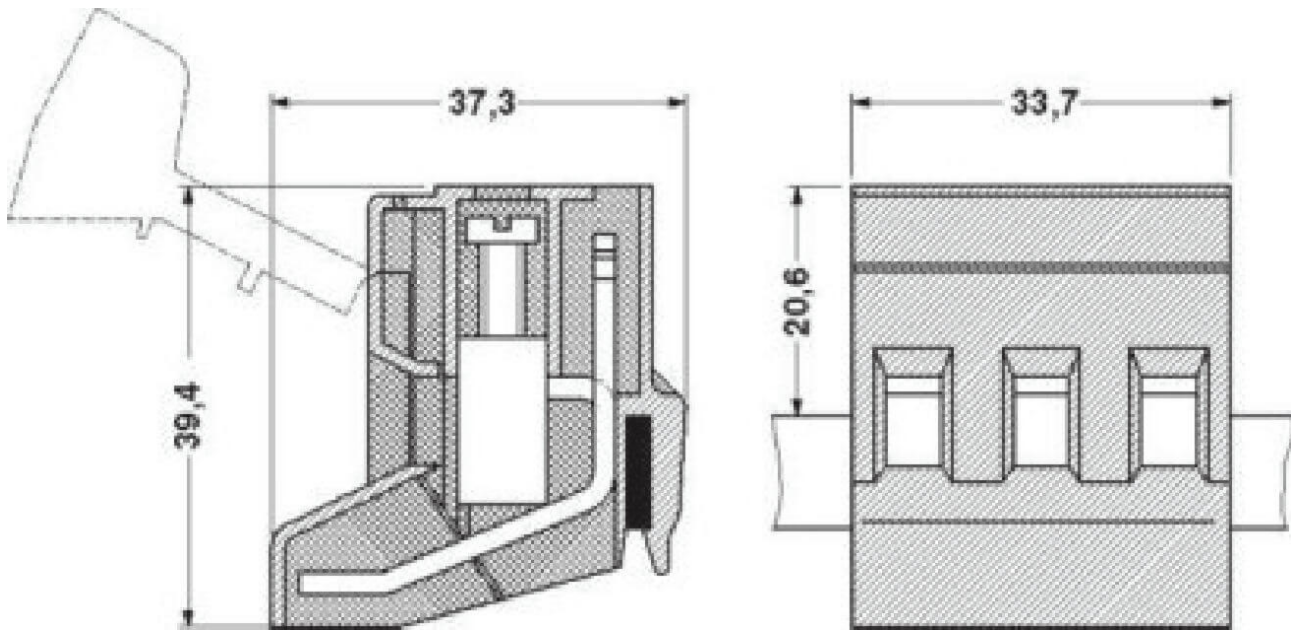
TRKSD 10



**Product datasheet**

SynCon TRKS 10, TRKSD 10 and TRKS 10/3  
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TRKS 10/3

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Updated 10/18



| Technical data                                   | Unit of measure | TRKS 10                        | TRKSD 10                       |
|--|-----------------|--------------------------------|--------------------------------|
| Design   |                 | single terminal                | double terminal                |
| Rated cross section                              | mm <sup>2</sup> | 10                             | 10                             |
| Rated voltage                                    | V               | only possible with transformer | only possible with transformer |
| Rated insulation voltage                         | V               | 690                            | 690                            |
| Rated surge voltage / Contamination class        | kV / -          | 8 / 3                          | 8 / 3                          |
| Surge voltage category/Insulation material group |                 | III / I                        | III / I                        |

| Nominal data acc. to CSA | Unit of measure | TRKS 10 | TRKSD 10 |
|--------------------------|-----------------|---------|----------|
| Rated voltage            | V               | 600     | 300      |
| Nominal current          | A               | 40      | 40       |

| Nominal data acc. to UL | Unit of measure | TRKS 10 | TRKSD 10 |
|-------------------------|-----------------|---------|----------|
| Rated voltage           | V               | 300     | 600      |
| Nominal current         | A               | 65      | 65       |

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| Connection data                                 | Unit of measure | TRKS 10          | TRKSD 10         |
|---|-----------------|------------------|------------------|
| Strand cross section rigid min                  | mm <sup>2</sup> | 0.5              | 0.5              |
| Strand cross section rigid max                  | mm <sup>2</sup> | 16               | 16               |
| Strand cross section flexible min               | mm <sup>2</sup> | 0.5              | 0.5              |
| Strand cross section flexible max               | mm <sup>2</sup> | 10               | 10               |
| Strand cross section with AEH min               | mm <sup>2</sup> |                  |                  |
| Strand cross section with AEH max               | mm <sup>2</sup> |                  |                  |
| 2 strands equal cross section rigid min         | mm <sup>2</sup> | 0.5              | 0.5              |
| 2 strands equal cross section rigid max         | mm <sup>2</sup> | 4                | 4                |
| 2 strands equal cross section flexible min      | mm <sup>2</sup> | 0.5              | 0.5              |
| 2 strands equal cross section flexible max      | mm <sup>2</sup> | 6                | 6                |
| 2 strands equal cross section with TWIN-AEH min | mm <sup>2</sup> | 0.5              | 0.5              |
| 2 strands equal cross section with TWIN-AEH max | mm <sup>2</sup> | 10               | 6                |
| Number of connections                           |                 | 2                | 4                |
| Connection type                                 |                 | screw connection | screw connection |
| Stripping length                                | mm              | 14               | 14               |
| Thread  |                 | M4               | M4               |
| Torque  | Nm              | 1.5-1.8          | 1.5-1.8          |

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Updated 10/18



| Material data                      | TRKS 10    | TRKSD 10   |
|------------------------------------|------------|------------|
| Insulation material                | PA         | PA         |
| Inflammability class acc. to UL 94 | V2         | V2         |
| Contact surface                    | tin-plated | tin-plated |

| Description | TRKS 10      |
|-------------|--------------|
| Colour      | grey, orange |

| Description | TRKSD 10     | TRKSD 10/3   |
|-------------|--------------|--------------|
| Colour      | grey, orange | grey, orange |

| Technical data                            | Unit of measure | TRKSD 10/3                     |
|---|-----------------|--------------------------------|
| Design                                    |                 | triple terminal                |
| Rated cross section                       | mm <sup>2</sup> | 10                             |
| Rated voltage                             | V               | only possible with transformer |
| Rated insulation voltage                  | V               | 690                            |
| Rated surge voltage / Contamination class | kV / -          | 8 / 3                          |

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Updated 10/18



| Technical data                                   | Unit of measure | TRKSD 10/3 |
|--|-----------------|------------|
| Surge voltage category/Insulation material group |                 | III / I    |

| Nominal data acc. to CSA | Unit of measure | TRKSD 10/3 |
|--------------------------|-----------------|------------|
| Rated voltage            | V               | 300        |
| Nominal current          | A               | 65         |

| Nominal data acc. to UL | Unit of measure | TRKSD 10/3 |
|-------------------------|-----------------|------------|
| Rated voltage           | V               | 600        |
| Nominal current         | A               | 65         |

| Connection data                   | Unit of measure | TRKSD 10/3 |
|-----------------------------------|-----------------|------------|
| Strand cross section rigid min    | mm <sup>2</sup> | 0.5        |
| Strand cross section rigid max    | mm <sup>2</sup> | 16         |
| Strand cross section flexible min | mm <sup>2</sup> | 0.5        |
| Strand cross section flexible max | mm <sup>2</sup> | 10         |
| Strand cross section with AEH min | mm <sup>2</sup> |            |

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Updated 10/18



| Connection data                                 | Unit of measure | TRKSD 10/3       |
|---|-----------------|------------------|
| Strand cross section with AEH max               | mm <sup>2</sup> |                  |
| 2 strands equal cross section rigid min         | mm <sup>2</sup> | 0.5              |
| 2 strands equal cross section rigid max         | mm <sup>2</sup> | 4                |
| 2 strands equal cross section flexible min      | mm <sup>2</sup> | 0.5              |
| 2 strands equal cross section flexible max      | mm <sup>2</sup> | 6                |
| 2 strands equal cross section with TWIN-AEH min | mm <sup>2</sup> | 0.5              |
| 2 strands equal cross section with TWIN-AEH max | mm <sup>2</sup> | 6                |
| Number of connections                           |                 | 6                |
| Connection type                                 |                 | screw connection |
| Stripping length                                | mm              | 16               |
| Thread  |                 | M4               |
| Torque  | Nm              | 1.5-1.8          |

| Material data                      | TRKSD 10/3 |
|------------------------------------|------------|
| Insulation material                | PA         |
| Inflammability class acc. to UL 94 | V2         |
| Contact surface                    | tin-plated |

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