
SynCon® TRK 2.5-Si and TRK 4-SL

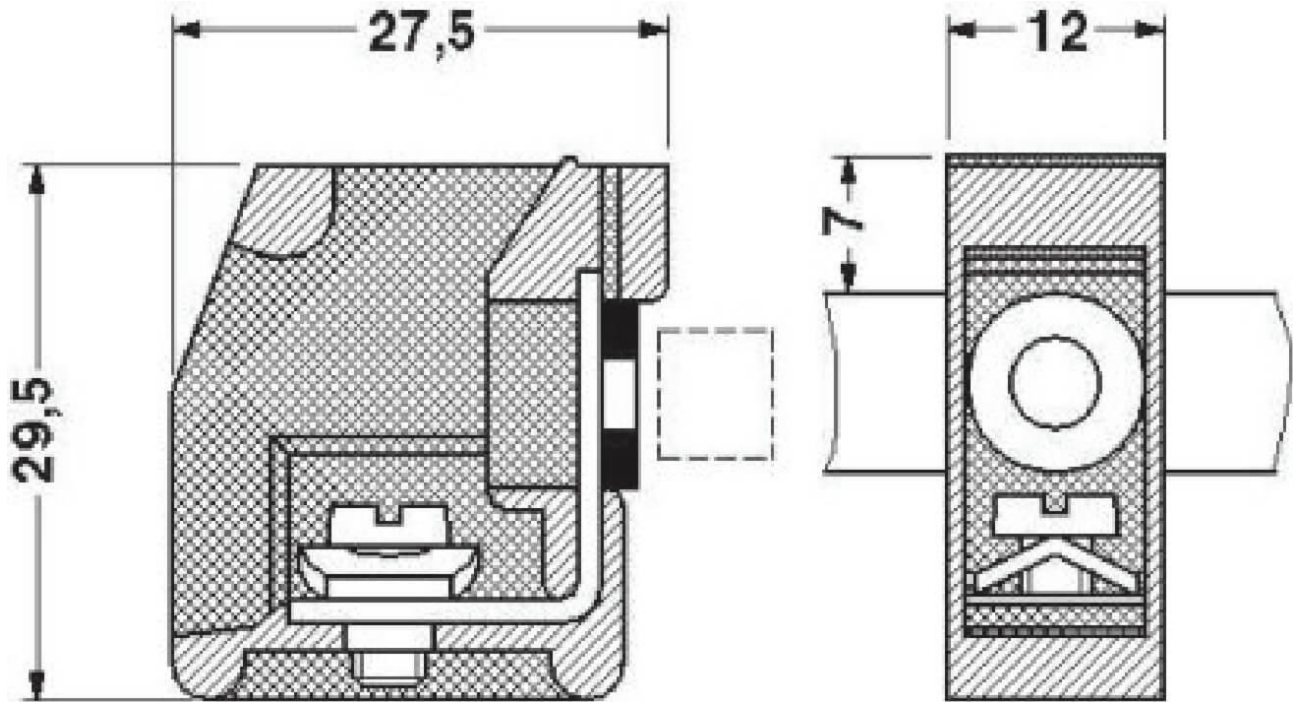
Attributes

TRK terminals can be selectively snap mounted on the 2 x 10 mm or 2 x 35 mm mounting rail and bobbins with integrated mounting compartments. In addition to the ground terminal block, all insulation housings have a covering flap. This reveals the lateral open solder hook to facilitate the insertion and soldering of winding ends and subsequent fingerproof covering in compliance with VBG 4. This type covers the cross-sectional range up to 10mm². With the exception of the TRK 10, the terminals are available with screw or screw and slip-on connections. The TRK 4-SL yellow/green ground terminal block can be harmoniously connected to the remaining terminal types. It is screwed to the laminated core together with the mounting rail. All TRK terminals are designated with the marker pin BN-TRK.

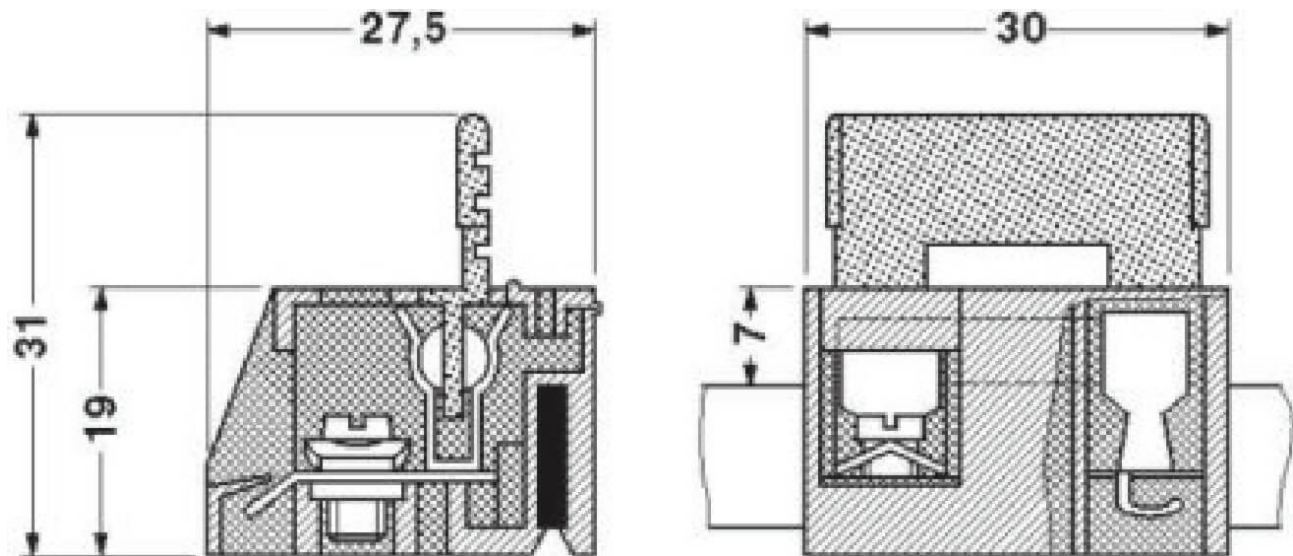
Delivery forms

50 pieces per package

Technical drawing



TRK 2,5-Si



TRK 4-SL

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Updated 10/18



| Technical data | Unit of measure | TRK 2.5-Si | TRK 4-SL |
|--|-----------------|--------------------------------|----------|
| Design | | 5x20 and 5x25 | |
| Data in accordance with IEC / DIN VDE | | | |
| Rated cross section | mm ² | 2.5 | 4 |
| Max. Strombelastbarkeit | A | 6,3 depending on SI | |
| Rated voltage | V | only possible with transformer | |
| Rated insulation voltage | V | 250 | |
| Rated surge voltage / Contamination class | kV / - | 4/3 | 8 / 3 |
| Surge voltage category/Insulation material group | | III / I | III / I |

| Nominal data acc. to CSA | Unit of measure | TRK 2.5-Si | TRK 4-SL |
|--------------------------|-----------------|------------|----------|
| Rated voltage | V | 250 | |
| Nominal current | A | 6.3 | |
| AWG | kcmil | 18-14 | 18-12 |

| Nominal data acc. to UL | Unit of measure | TRK 2.5-Si | TRK 4-SL |
|-------------------------|-----------------|------------|----------|
| Nominal current | A | 8 | |

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| Nominal data acc. to UL | Unit of measure | TRK 2.5-Si | TRK 4-SL |
|-------------------------|-----------------|------------|----------|
| AWG | kcmil | 22-12 | |
| Rated voltage | V | 300 | |

| Connection data | Unit of measure | TRK 2.5-Si | TRK 4-SL |
|---|-----------------|------------|----------|
| Strand cross section rigid min | mm ² | 0.75 | 0.75 |
| Strand cross section rigid max | mm ² | 2.5 | 4 |
| Strand cross section flexible min | mm ² | 1 | 1 |
| Strand cross section flexible max | mm ² | 2.5 | 4 |
| Strand cross section with AEH min | mm ² | 0.75 | 0.75 |
| Strand cross section with AEH max | mm ² | 2.5 | 2.5 |
| 2 strands equal cross section rigid min | mm ² | 0.75 | 0.75 |
| 2 strands equal cross section rigid max | mm ² | 2.5 | 4 |
| 2 strands equal cross section flexible min | mm ² | 1 | 1 |
| 2 strands equal cross section flexible max | mm ² | 2.5 | 4 |
| 2 strands equal cross section with TWIN-AEH min | mm ² | 0.5 | 0.5 |
| 2 strands equal cross section with TWIN-AEH max | mm ² | 1 | 1.5 |

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| Connection data | Unit of measure | TRK 2.5-Si | TRK 4-SL |
|-----------------------|-----------------|------------------|------------------|
| Number of connections | | 2 | 2 |
| Connection type | | screw connection | screw connection |
| Stripping length | mm | 11 | 11 |
| Thread | | M4 | M4 |
| Torque | Nm | 1.0-1.2 | 1.5-1.8 |

| Material data | TRK 2.5-Si | TRK 4-SL |
|------------------------------------|------------|------------|
| Insulation material | PA | PA |
| Inflammability class acc. to UL 94 | V2 | V2 |
| Contact surface | tin-plated | tin-plated |

| Description | TRK 2.5-Si | TRK 4-SL |
|-------------|----------------|--------------|
| Colour | TRKS 2.5-SI GY | green-yellow |
| Colour | grey, orange | TRK 4-SL |
| Colour | TRKS 2.5-SI-OG | |

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