

# TC5-R1



TE Connectivity has acquired the DIN Rail Terminal Block product range from ABB

Products → Low Voltage Products and Systems → Connection Devices → Terminal Blocks Accessories  
→ Test Connectors

## General Information

|                               |                                                                                                                                                                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extended Product Type:</b> | TC5-R1                                                                                                                                                                                                                                                                 |
| <b>Product ID:</b>            | 1SNK900201R0000                                                                                                                                                                                                                                                        |
| <b>EAN:</b>                   | 3472599097308                                                                                                                                                                                                                                                          |
| <b>Catalog Description:</b>   | TC5-R1 Test Connector - Dark grey                                                                                                                                                                                                                                      |
| <b>Long Description:</b>      | Ease the testing of terminal block assemblies: - Make your own test connector assembly with our modular solution mixing various spacings, - Direct plug-in solution into the jumpers channels, - Withstand more than 10000 operations according to ABB test standards. |

## Ordering

|                                |           |
|--------------------------------|-----------|
| <b>Color:</b>                  | Dark Grey |
| <b>Minimum Order Quantity:</b> | 10 piece  |
| <b>Customs Tariff Number:</b>  | 85369010  |

## Popular Downloads

|                                           |                 |
|-------------------------------------------|-----------------|
| <b>Data Sheet, Technical Information:</b> | 1SNK160042D0201 |
| <b>Instructions and Manuals:</b>          | 1SNK160027C0201 |

## Dimensions

|                                    |          |
|------------------------------------|----------|
| <b>Product Net Width:</b>          | 5.2 mm   |
| <b>Product Net Height:</b>         | 34.1 mm  |
| <b>Product Net Length:</b>         | 71.65 mm |
| <b>Product Net Depth / Length:</b> | 71.7 mm  |
| <b>Product Net Weight:</b>         | 5.2 g    |

## Technical

|                                          |                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Cross-Section:</b>              | 1.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                        |
| <b>Spacing:</b>                          | 5.2 mm                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Function:</b>                         | Test Connectors                                                                                                                                                                                                                                                                                                                                                            |
| <b>Connecting Capacity Main Circuit:</b> | Screw Clamp / Flexible 1x 0.22 ... 1.5 mm <sup>2</sup><br>Screw Clamp / Flexible 2x 0.22 ... 0.75 mm <sup>2</sup><br>Screw Clamp / Rigid 1x 0.2 ... 1.5 mm <sup>2</sup><br>Screw Clamp / Rigid 2x 0.2 ... 0.75 mm <sup>2</sup><br>Screw Clamp / With Insulated Ferrule 1x 0.22 ... 1.5 mm <sup>2</sup><br>Screw Clamp / With Twin Ferrule 2x 0.22 ... 0.75 mm <sup>2</sup> |
| <b>Gauge Type:</b>                       | A1-B1                                                                                                                                                                                                                                                                                                                                                                      |

|                                                             |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Current (I<sub>n</sub>):</b>                       | Main Circuit 16 A                                                                                                                                                                                                                                                                                                                     |
| <b>Rated Short-time Withstand Current (I<sub>cw</sub>):</b> | for 1 s 180 A                                                                                                                                                                                                                                                                                                                         |
| <b>Rated Voltage (U<sub>r</sub>):</b>                       | 1000 V                                                                                                                                                                                                                                                                                                                                |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>   | 8000 V                                                                                                                                                                                                                                                                                                                                |
| <b>Dielectric Test Voltage:</b>                             | 2200 V                                                                                                                                                                                                                                                                                                                                |
| <b>Pollution Degree:</b>                                    | 3                                                                                                                                                                                                                                                                                                                                     |
| <b>Degree of Protection:</b>                                | acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20                                                                                                                                                                                                                                                                          |
| <b>Insulation Material:</b>                                 | Polyamide                                                                                                                                                                                                                                                                                                                             |
| <b>Wire Stripping Length:</b>                               | 8.0 mm                                                                                                                                                                                                                                                                                                                                |
| <b>Recommended Screw Driver:</b>                            | 2.5 mm                                                                                                                                                                                                                                                                                                                                |
| <b>Suitable For:</b>                                        | TC5<br>ZDK2.5-22<br>ZDK4-22<br>ZDP2.5-11<br>ZDP2.5-22<br>ZDP2.5-D1<br>ZDP2.5-D2<br>ZDS4-22<br>ZDS4-22-R1<br>ZK10<br>ZK10-PE<br>ZK16<br>ZK16-PE<br>ZK2.5<br>ZK2.5-3P<br>ZK2.5-4P<br>ZK2.5-CH-4P<br>ZK2.5-D1<br>ZK2.5-D1-PE<br>ZK2.5-D2<br>ZK2.5-D2-PE<br>ZK2.5-D-CH<br>ZK2.5-PE<br>ZK2.5-PE-3P<br>ZK2.5-PE-4P<br>ZK2.5-S<br>ZK2.5-S-4P |

## Technical UL/CSA

|                                          |                    |
|------------------------------------------|--------------------|
| <b>Maximum Operating Voltage UL/CSA:</b> | Main Circuit 600 V |
|------------------------------------------|--------------------|

|                                                     |                                                       |
|-----------------------------------------------------|-------------------------------------------------------|
| <b>Connecting Capacity Main Circuit<br/>UL/CSA:</b> | Screw Clamp / Rigid 1x 24 ... 16 AWG                  |
|                                                     | Screw Clamp / Rigid 2x 24 ... 18 AWG                  |
|                                                     | Screw Clamp / With Insulated Ferrule 1x 24 ... 16 AWG |
|                                                     | Screw Clamp / With Twin Ferrule 2x 24 ... 18 AWG      |
| <b>Connecting Capacity UL/CSA:</b>                  | Stranded 16 AWG                                       |
| <b>Flammability According to UL94:</b>              | V0                                                    |

## Environmental

|                                                            |                                                                 |
|------------------------------------------------------------|-----------------------------------------------------------------|
| <b>Ambient Air Temperature:</b>                            | Operation -55 ... +110 °C                                       |
|                                                            | Storage -55 ... +110 °C                                         |
| <b>Resistance to Vibrations acc. to<br/>IEC 60068-2-6:</b> | Compliant                                                       |
| <b>RoHS Status:</b>                                        | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Certificates and Declarations (Document Number)

|                                  |                 |
|----------------------------------|-----------------|
| <b>Instructions and Manuals:</b> | 1SNK160027C0201 |
| <b>RoHS Information:</b>         | 1SND230506F0202 |

## Classifications

|                                    |         |
|------------------------------------|---------|
| <b>Object Classification Code:</b> | X       |
| <b>E-nummer:</b>                   | 2925154 |

## Container Information

|                                        |               |
|----------------------------------------|---------------|
| <b>Package Level 1 Units:</b>          | 10 piece      |
| <b>Package Level 1 Width:</b>          | 158 mm        |
| <b>Package Level 1 Depth / Length:</b> | 243 mm        |
| <b>Package Level 1 Gross Weight:</b>   | 0.052 kg      |
| <b>Package Level 1 EAN:</b>            | 3472599097308 |
| <b>Package Level 2 Units:</b>          | 700 piece     |
| <b>Package Level 3 Units:</b>          | 67200 piece   |
| <b>Product Packing Type:</b>           | Bag           |

