

# ZK10-3P



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

Products → Low Voltage Products and Systems → Connection Devices → Terminal Blocks → SNK Series

## General Information

|                               |                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extended Product Type:</b> | ZK10-3P                                                                                                                                                                                                         |
| <b>Product ID:</b>            | 1SNK710011R0000                                                                                                                                                                                                 |
| <b>EAN:</b>                   | 3472597100116                                                                                                                                                                                                   |
| <b>Catalog Description:</b>   | ZK10-3P PI-Spring clamp Terminal Block - Feed-through - Grey - 10 mm <sup>2</sup> - 10 mm 0.394 in spacing - Flat marking area                                                                                  |
| <b>Long Description:</b>      | - Find all the features of the ZK10 terminal block with the added option of distributing or branching 3 conductors, - ZK10-3P is perfectly adapted to solar applications: 1250 V DC (1000 V AC) IEC, 1000 V UL. |

## Ordering

|                                |          |
|--------------------------------|----------|
| <b>Color:</b>                  | Grey     |
| <b>Minimum Order Quantity:</b> | 20 piece |
| <b>Customs Tariff Number:</b>  | 85369010 |

## Popular Downloads

|                                           |                 |
|-------------------------------------------|-----------------|
| <b>Data Sheet, Technical Information:</b> | 1SNK162061S0201 |
| <b>Instructions and Manuals:</b>          | 1SNK160027C0201 |

## Dimensions

|                                    |         |
|------------------------------------|---------|
| <b>Product Net Width:</b>          | 10 mm   |
| <b>Product Net Height:</b>         | 96.3 mm |
| <b>Product Net Depth / Length:</b> | 47.5 mm |
| <b>Product Net Weight:</b>         | 34.9 g  |

## Technical

|                                          |                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Cross-Section:</b>              | 10 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                            |
| <b>Spacing:</b>                          | 10 mm                                                                                                                                                                                                                                                                                                                         |
| <b>Connection Type:</b>                  | PI Spring                                                                                                                                                                                                                                                                                                                     |
| <b>Function:</b>                         | Feed-through                                                                                                                                                                                                                                                                                                                  |
| <b>Number of Levels:</b>                 | 1                                                                                                                                                                                                                                                                                                                             |
| <b>Connecting Capacity Main Circuit:</b> | Spring Clamp / Flexible 1x 0.5 ... 10 mm <sup>2</sup><br>Spring Clamp / Rigid 1x 0.5 ... 16 mm <sup>2</sup><br>Spring Clamp / With Insulated Ferrule 1x 0.5 ... 10 mm <sup>2</sup><br>Spring Clamp / Without Insulated Ferrule 1x 0.5 ... 10 mm <sup>2</sup><br>Spring Clamp / With Twin Ferrule 2x 0.5 ... 4 mm <sup>2</sup> |
| <b>Gauge Type:</b>                       | A6 & 5.1 mm Dia.                                                                                                                                                                                                                                                                                                              |

|                                                             |                                                                                                                |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Rated Current (I<sub>n</sub>):</b>                       | Main Circuit 57 A                                                                                              |
| <b>Rated Short-time Withstand Current (I<sub>cw</sub>):</b> | for 1 s 1200 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>Power Loss:</b>                                          | 1.8 W                                                                                                          |
| <b>Degree of Protection:</b>                                | acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20                                                   |
| <b>Insulation Material:</b>                                 | Polyamide                                                                                                      |
| <b>Mounting on DIN Rail:</b>                                | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 |

## Technical UL/CSA

|                                                 |                                                                                                                                                           |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Operating Voltage UL/CSA:</b>        | Main Circuit 1000 V                                                                                                                                       |
| <b>Connecting Capacity Main Circuit UL/CSA:</b> | Spring Clamp / Rigid 1x 20 ... 6 AWG<br>Spring Clamp / With Insulated Ferrule 1x 20 ... 8 AWG<br>Spring Clamp / Without Insulated Ferrule 1x 20 ... 8 AWG |
| <b>Connecting Capacity UL/CSA:</b>              | Stranded 6 AWG                                                                                                                                            |
| <b>Flammability According to UL94:</b>          | V0                                                                                                                                                        |
| <b>Short-Circuit Current Rating (SCCR):</b>     | 100 kA                                                                                                                                                    |

## Environmental

|                                                        |                                                      |
|--------------------------------------------------------|------------------------------------------------------|
| <b>Ambient Air Temperature:</b>                        | Operation -55 ... +110 °C<br>Storage -55 ... +110 °C |
| <b>Resistance to Vibrations acc. to IEC 60068-2-6:</b> | Compliant                                            |
| <b>RoHS Status:</b>                                    | Following EU Directive 2011/65/EU                    |

## Certificates and Declarations (Document Number)

|                                        |                 |
|----------------------------------------|-----------------|
| <b>ATEX Certificate:</b>               | 1SND162009A1702 |
| <b>BV Certificate:</b>                 | 1SND162013A0203 |
| <b>CB Certificate:</b>                 | 1SND162011A0202 |
| <b>CSA Certificate:</b>                | 1SND162014A0206 |
| <b>cUL Certificate:</b>                | 1SND162012A0204 |
| <b>Declaration of Conformity - CE:</b> | 1SND225112U1004 |
| <b>EAC Certificate:</b>                | 1SND161010A1100 |
| <b>Environmental Information:</b>      | 1SND220072E1002 |

|                                  |                 |
|----------------------------------|-----------------|
| <b>Instructions and Manuals:</b> | 1SNK160027C0201 |
| <b>RoHS Information:</b>         | 1SND230535F0201 |

## Classifications

|                |                                        |
|----------------|----------------------------------------|
| <b>ETIM 4:</b> | EC000897 - Feed-through terminal block |
| <b>ETIM 5:</b> | EC000897 - Feed-through terminal block |
| <b>ETIM 6:</b> | EC000897 - Feed-through terminal block |

## Container Information

|                                        |               |
|----------------------------------------|---------------|
| <b>Package Level 1 Units:</b>          | 20 piece      |
| <b>Package Level 1 Width:</b>          | 100 mm        |
| <b>Package Level 1 Depth / Length:</b> | 202 mm        |
| <b>Package Level 1 Height:</b>         | 50 mm         |
| <b>Package Level 1 Gross Weight:</b>   | 0.718 kg      |
| <b>Package Level 1 EAN:</b>            | 3472597100116 |
| <b>Package Level 2 Units:</b>          | 180 piece     |
| <b>Package Level 2 Width:</b>          | 300 mm        |
| <b>Package Level 2 Depth / Length:</b> | 400 mm        |
| <b>Package Level 2 Height:</b>         | 200 mm        |
| <b>Package Level 2 Gross Weight:</b>   | 6.464 kg      |
| <b>Package Level 3 Units:</b>          | 8640 piece    |
| <b>Product Packing Type:</b>           | Box           |

