

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

## General Information

|                        |                                                                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type: | C2.5/5                                                                                                                                                                            |
| Product ID:            | 1SNL505010R0000                                                                                                                                                                   |
| EAN:                   | 3472599857599                                                                                                                                                                     |
| Catalog Description:   | C2.5/5                                                                                                                                                                            |
| Long Description:      | - 2.5 mm <sup>2</sup> Feed-through terminal with ABB patented screw Clamp Connection, - Save space by connecting conductors up to 4 mm <sup>2</sup> in just 5 mm 0.197 in spacing |

## Ordering

|                         |           |
|-------------------------|-----------|
| Color:                  | Grey      |
| Minimum Order Quantity: | 100 piece |
| Customs Tariff Number:  | 85369010  |

## Popular Downloads

|                                    |                 |
|------------------------------------|-----------------|
| Data Sheet, Technical Information: | 1SNC160028L0202 |
| Instructions and Manuals:          | 1SNC160028L0202 |

## Dimensions

|                             |         |
|-----------------------------|---------|
| Product Net Width:          | 5 mm    |
| Product Net Height:         | 43.6 mm |
| Product Net Depth / Length: | 41.5 mm |
| Product Net Weight:         | 5.5 g   |

## Technical

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Cross-Section:              | 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Spacing:                          | 5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Connection Type:                  | Screw clamp                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Function:                         | Feed-through                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Connecting Capacity Main Circuit: | Screw Clamp / Flexible 1x 0.2 ... 2.5 mm <sup>2</sup><br>Screw Clamp / Flexible 2x 0.2 ... 1.5 mm <sup>2</sup><br>Screw Clamp / Rigid 1x 0.2 ... 4 mm <sup>2</sup><br>Screw Clamp / Rigid 2x 0.2 ... 1.5 mm <sup>2</sup><br>Screw Clamp / With Insulated Ferrule 1x 0.2 ... 2.5 mm <sup>2</sup><br>Screw Clamp / Without Insulated Ferrule 1x 0.2 ... 4 mm <sup>2</sup><br>Screw Clamp / With Twin Ferrule 2x 0.2 ... 1.5 mm <sup>2</sup> |
| Gauge Type:                       | A3                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Rated Current (I <sub>n</sub> ):  | Main Circuit 24 A                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                                                  |                                                                                                                |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Rated Short-time Withstand Current (<math>I_{cw}</math>):</b> | for 1 s 300 A                                                                                                  |
| <b>Rated Voltage (<math>U_r</math>):</b>                         | 1000 V                                                                                                         |
| <b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>   | 8000 V                                                                                                         |
| <b>Dielectric Test Voltage:</b>                                  | 2000 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>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 |
| <b>Wire Stripping Length:</b>                                    | 10.0 mm                                                                                                        |
| <b>Tightening Torque:</b>                                        | acc. IEC 60947-1 0.4 N·m<br>Manufacturer 0.6 N·m                                                               |

## Technical UL/CSA

|                                                 |                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Operating Voltage UL/CSA:</b>        | Main Circuit 600 V                                                                                                                                                                                                                                    |
| <b>Connecting Capacity Main Circuit UL/CSA:</b> | Screw Clamp / Rigid 1x 24 ... 12 AWG<br>Screw Clamp / Rigid 2x 24 ... 16 AWG<br>Screw Clamp / With Insulated Ferrule 1x 24 ... 14 AWG<br>Screw Clamp / Without Insulated Ferrule 1x 24 ... 12 AWG<br>Screw Clamp / With Twin Ferrule 2x 24 ... 18 AWG |
| <b>Flammability According to UL94:</b>          | V0                                                                                                                                                                                                                                                    |

## Environmental

|                                 |                                                                 |
|---------------------------------|-----------------------------------------------------------------|
| <b>Ambient Air Temperature:</b> | Operation -55 ... +110 °C<br>Storage -55 ... +110 °C            |
| <b>RoHS Status:</b>             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Certificates and Declarations (Document Number)

|                                        |                 |
|----------------------------------------|-----------------|
| <b>cUL Certificate:</b>                | 1SND161106A0201 |
| <b>Declaration of Conformity - CE:</b> | 1SND225041U1000 |
| <b>EAC Certificate:</b>                | 1SND161009A1100 |
| <b>Instructions and Manuals:</b>       | 1SNC160028L0202 |
| <b>RoHS Information:</b>               | 1SND230544F0201 |

## Classifications

|                                    |                                        |
|------------------------------------|----------------------------------------|
| <b>Object Classification Code:</b> | X                                      |
| <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

|                                 |               |
|---------------------------------|---------------|
| Package Level 1 Units:          | 100 piece     |
| Package Level 1 Width:          | 88 mm         |
| Package Level 1 Depth / Length: | 255 mm        |
| Package Level 1 Height:         | 42 mm         |
| Package Level 1 Gross Weight:   | 0.55 kg       |
| Package Level 1 EAN:            | 3472599857599 |
| Package Level 2 Units:          | 1000 piece    |
| Package Level 2 Width:          | 250 mm        |
| Package Level 2 Depth / Length: | 330 mm        |
| Package Level 2 Height:         | 210 mm        |
| Package Level 2 Gross Weight:   | 5.5 kg        |
| Product Packing Type:           | Box           |

