

# High Current Terminal Blocks

9D  
SERIES



Panels for  
electrical  
distribution



Control panels



Cabinets  
junction boxes





### High current distribution terminal blocks for electrical panels

#### Type 9D.01.5.080.0304

- 80 A

#### Type 9D.01.5.125.0206

- 125 A

#### Type 9D.01.5.175.0210

- 175 A

#### 3 configurations available in a single product:

- Single, pole splitter: Split of main power input into 4, 6, 10 or 11 outputs
- Multiple, pole splitters: Splitting with increased number of outputs
- Grouping: Combining several inputs to make a single output (eg. solar applications)
- Reversible snap-on cover
- Ratings, approvals and screw torque settings marked on cover
- Ready to use Marking Kit (L1, L2, L3, N, PE, +, -) supplied with every block
- Adjacent units may be mechanically interlocked, if required

For outline drawing see page 6

#### Current specification

|                                                   |         |           |           |           |
|---------------------------------------------------|---------|-----------|-----------|-----------|
| Max current                                       | A       | 80        | 125       | 175       |
| Rated voltage                                     | V AC/DC | 1000/1500 | 1000/1500 | 1000/1500 |
| Rated impulse voltage                             | kV      | 8         | 8         | 8         |
| Short-time withstand current (I <sub>cw</sub> 1s) | A       | 1920      | 4200      | 6000      |
| Short Circuit Current Rating (SCCR)               | kA      | 100       | 100       | 100       |
| Rated peak withstand current (I <sub>pk</sub> )   | kA      | 27        | 30        | 30        |

#### Input wire specification (Solid/Stranded)

|                             |                 |                             |           |           |
|-----------------------------|-----------------|-----------------------------|-----------|-----------|
| Number of input             |                 | 3                           | 2         | 2         |
| Min. input wire             | mm <sup>2</sup> | 2.5                         | 10        | 10        |
|                             | AWG             | 14                          | 8         | 6         |
| Max. input wire             | mm <sup>2</sup> | 16                          | 35        | 70        |
|                             | AWG             | 6                           | 2         | 2/0       |
| Wire input stripping length | mm              | 15                          | 15        | 15        |
| Tool                        |                 | Posidriv - flat screwdriver | Allen Key | Allen Key |
| Tool dimension              | mm              | 5.5/PZ2                     | 4         | 5         |
| Torque                      | Nm              | 1.5...2                     | 3.5...5   | 6...10    |

#### Output wire specification (Solid/Stranded)

|                              |                 |                             |                                                |                             |
|------------------------------|-----------------|-----------------------------|------------------------------------------------|-----------------------------|
| Number of output             |                 | 4                           | 6                                              | 10                          |
| Min. output wire             | mm <sup>2</sup> | 2.5                         | 2.5                                            | 2.5                         |
|                              | AWG             | 14                          | 14                                             | 14                          |
| Max. output wire             | mm <sup>2</sup> | 6                           | 16                                             | 16                          |
|                              | AWG             | 10                          | 6                                              | 6                           |
| Wire output stripping length | mm              | 11                          | 11                                             | 11                          |
| Tool                         |                 | Posidriv - flat screwdriver | 6x Posidriv - flat screwdriver<br>1x Allen Key | Posidriv - flat screwdriver |
| Tool dimension               | mm              | 4/PZ1                       | 6x 5.5 PZ2<br>1x 3                             | 5.5/PZ2                     |
| Torque                       | Nm              | 0.8...12                    | 2...3                                          | 2...3                       |

#### General data

|                     |     |           |           |           |
|---------------------|-----|-----------|-----------|-----------|
| Ambient temperature | °C  | -20...+70 | -20...+70 | -20...+70 |
| Protection category | IEC | IP 20     | IP 20     | IP 10     |
| Protection category | UL  | NEMA 1    | NEMA 1    | NEMA 1    |

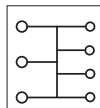
#### Approvals (according to type)



#### NEW 9D.01.5.080.0304



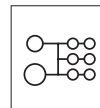
- 80 A
- 7 connections



#### NEW 9D.01.5.125.0206



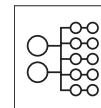
- 125 A
- 8 connections



#### NEW 9D.01.5.175.0210



- 175 A
- 12 connections



## High current distribution terminal blocks for electrical panels

## Type 9D.01.5.250.0111

- 250 A

## Type 9D.01.5.400.0111

- 400 A

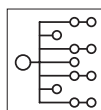
## 3 configurations available in a single product:

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- Multiple, pole splitters: Splitting with increased number of outputs
- Grouping: Combining several inputs to make a single output (eg. solar applications)
- Reversible snap-on cover
- Ratings, approvals and screw torque settings marked on cover
- Ready to use Marking Kit (L1, L2, L3, N, PE, +, -) supplied with every block
- Adjacent units may be mechanically interlocked, if required

## NEW 9D.01.5.250.0111



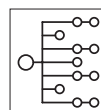
- 250 A
- 12 connections



## NEW 9D.01.5.400.0111



- 400 A
- 12 connections



For outline drawing see page 6

## Current specification

|                                                   |         |           |           |
|---------------------------------------------------|---------|-----------|-----------|
| Max current                                       | A       | 250       | 400       |
| Rated voltage                                     | V AC/DC | 1000/1500 | 1000/1500 |
| Rated impulse voltage                             | kV      | 8         | 8         |
| Short-time withstand current (I <sub>cw</sub> 1s) | A       | 11400     | 18000     |
| Short Circuit Current Rating (SCCR)               | kA      | 100       | 100       |
| Rated peak withstand current (I <sub>pk</sub> )   | kA      | 51        | 51        |

## Input wire specification (Solid/Stranded)

|                             |                 |           |           |
|-----------------------------|-----------------|-----------|-----------|
| Number of input             |                 | 1         | 1         |
| Min. input wire             | mm <sup>2</sup> | 35        | 95        |
|                             | AWG             | 2         | 3/0       |
| Max. input wire             | mm <sup>2</sup> | 120       | 185       |
|                             | AWG             | 250 Kcmil | 400 Kcmil |
| Wire input stripping length | mm              | 28        | 28        |
| Tool                        |                 | Allen Key | Allen Key |
| Tool dimension              | mm              | 6         | 8         |
| Torque                      | Nm              | 19...21   | 25        |

## Output wire specification (Solid/Stranded)

|                              |                 |                        |                        |
|------------------------------|-----------------|------------------------|------------------------|
| Number of output             |                 | 11                     | 11                     |
| Min. output wire             | mm <sup>2</sup> | 2.5                    | 2.5                    |
|                              | AWG             | 14                     | 14                     |
| Max. output wire             | mm <sup>2</sup> | 35                     | 35                     |
|                              | AWG             | 2                      | 2                      |
| Wire output stripping length | mm              | 11                     | 11                     |
| Tool                         |                 | Allen Key              | Allen Key              |
| Tool dimension               | mm              | 2x 4<br>9x 3           | 2x 4<br>9x 3           |
| Torque                       | Nm              | 2x 3.5...5<br>9x 2...3 | 2x 3.5...5<br>9x 2...3 |

## General data

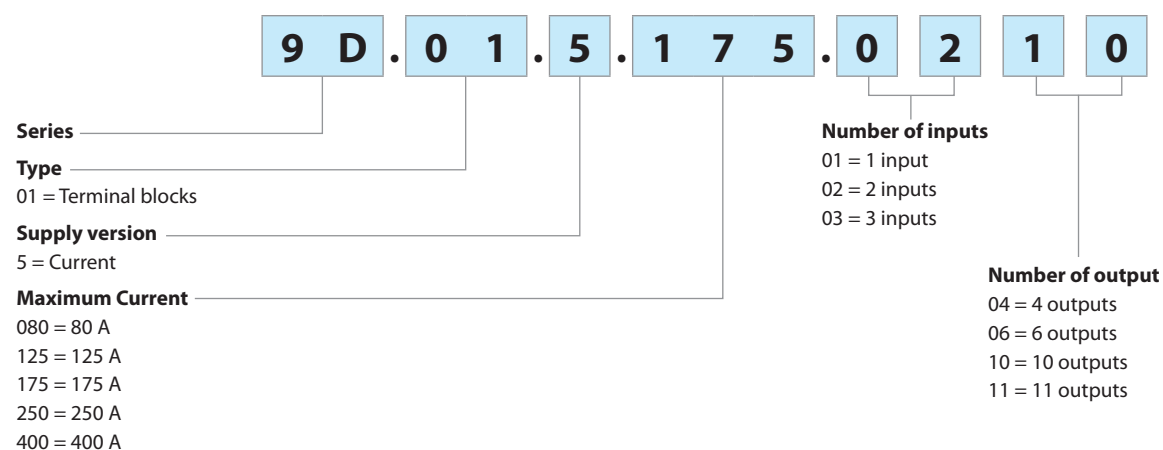
|                     |     |           |           |
|---------------------|-----|-----------|-----------|
| Ambient temperature | °C  | -20...+70 | -20...+70 |
| Protection category | IEC | IP 10     | IP 10     |
| Protection category | UL  | NEMA 1    | NEMA 1    |

## Approvals (according to type)



### Ordering information

Example: 9D Series, High current terminal block, nominal current 175 A, 12 connections.

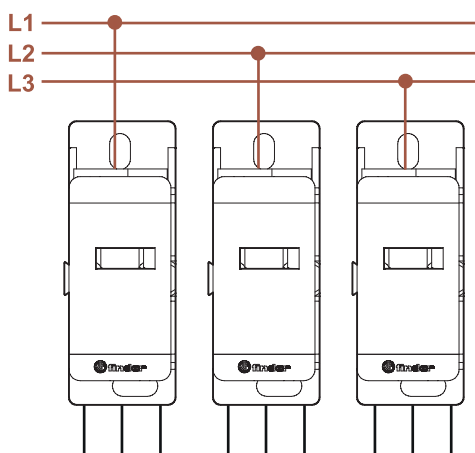


#### All types

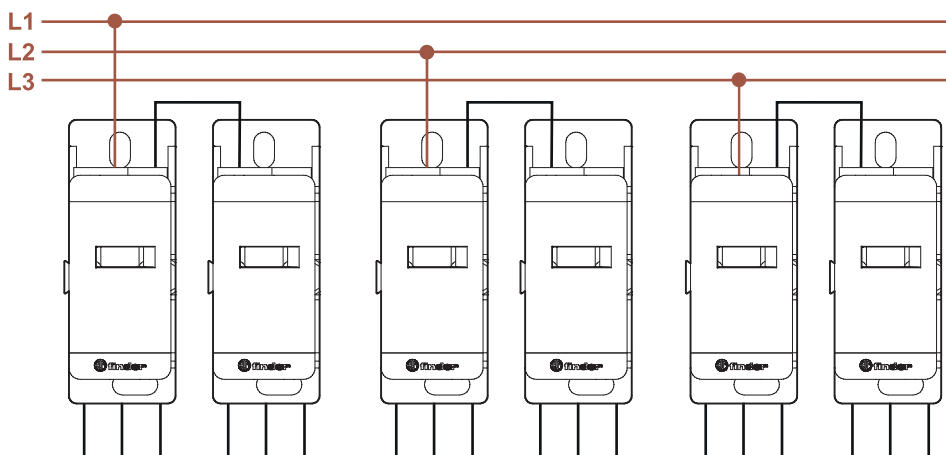
9D.01.5.080.0304  
9D.01.5.125.0206  
9D.01.5.175.0210  
9D.01.5.250.0111  
9D.01.5.400.0111

### Wiring examples\*

Single, pole splitter application. Main power input splits into three outputs.



Multiple, pole splitter application: Main power input split into six outputs.

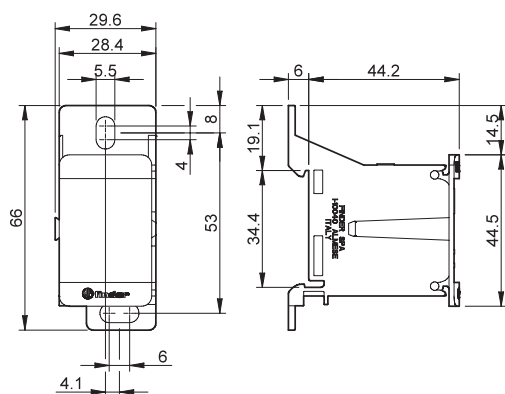


\* These are connection examples.

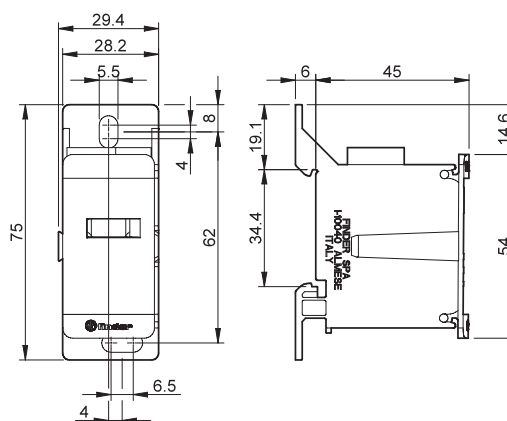
The current capacity of each conductor must comply with the appropriate IEC, UL or CSA standard.

## Outline drawings

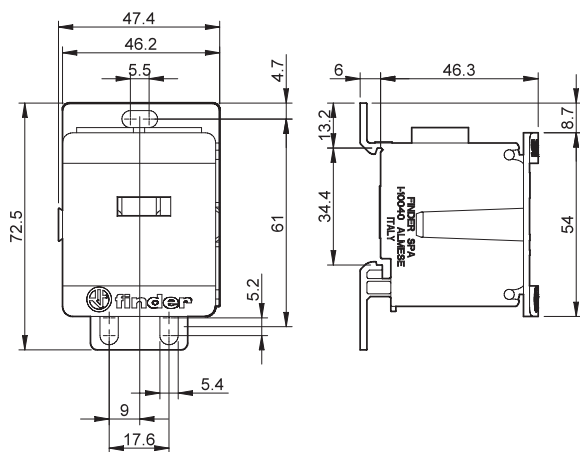
Type 9D.01.5.080.0304



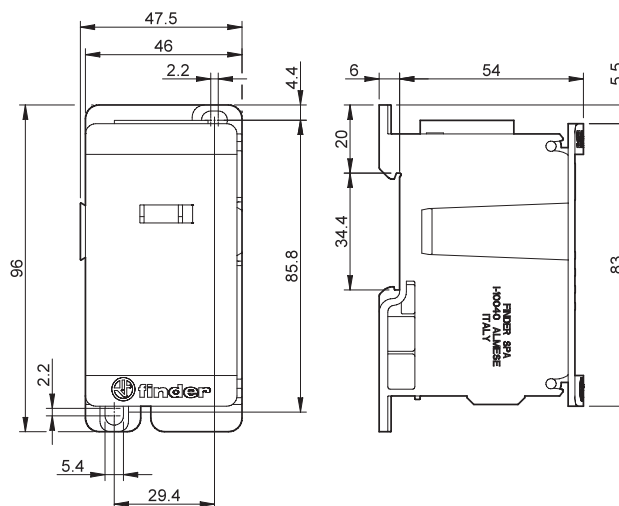
Type 9D.01.5.125.0206



Type 9D.01.5.175.0210



Type 9D.01.5.250.0111



Type 9D.01.5.400.0111

