

# Disconnect and Component Terminal Blocks



Disconnect and component terminal blocks can be used, in measurement and control systems.

With disconnect terminals the current can quickly and safely be cut to carry out essential maintenance.

The function of RDT4, in order to rapidly switching circuits has distinguished this type of terminal.

Furthermore RDT4-TS is characterized by test socket for measuring and monitoring circuits.

In addition to switching the circuits, RDT2.5-C accompanied by its relating accessories, can be used as diode terminal block in RDT2.5-CDC or fuse terminal block in RDT2.5-CFC (with or without LED indicator).

On customer requirements, the capability of mounting any other components such as resistor, capacitor, etc... on terminal blocks RDT2.5-C and RDT4 would be considered.

**RDT2.5-C**

width 6 mm

**RDT2.5-CTS**

width 6 mm



| IEC 60947-7-1 rated data   | RDT2.5-C   |                             |                | RDT2.5-CTS   |                             |                |
|--|--|-----------------------------|----------------|--|-----------------------------|----------------|
| Voltage (V) / Impulse voltage (kV)                               | 500 / 6  |                             |                | 500 / 6  |                             |                |
| Pollution degree/Voltage category/Material group                 | 3/III/I  |                             |                | 3/III/I  |                             |                |
| Current (A)  | 17.5   |                             |                | 17.5   |                             |                |
| Cross section (mm <sup>2</sup> )                                 | 1.5  |                             |                | 1.5  |                             |                |
| Max current (A) / Max conductor cross section (mm <sup>2</sup> ) | 20/2.5   |                             |                | 20/2.5   |                             |                |
| Description  | Type   | Ordering No.                | Qty.           | Type   | Ordering No.                | Qty.           |
| Disconnect and component terminal, for mounting on TH 35-7.5, 15 | RDT2.5-C   | 101411                      | 50             | RDT2.5-CTS<br>With socket screw                      | 101415                      | 50             |
| End bracket, for TH 35-7.5, 15  width (mm) Raad recommended      | EB/3<br>10   | 200108                      | 50             | EB/3<br>10   | 200108                      | 50             |
| End bracket, for TH 35- 7.5, 15  width (mm) Raad recommended     | EB/1<br>9.5  | 200107                      | 50             | EB/1<br>9.5  | 200107                      | 50             |
| Bridge-comb  | BC10-2.5 10-pos.<br>BC3-2.5 3-pos.<br>BC2-2.5 2-pos. | 201414<br>201415<br>201416  | 10<br>50<br>50 | BC10-2.5 10-pos.<br>BC3-2.5 3-pos.<br>BC2-2.5 2-pos. | 201414<br>201415<br>201416  | 10<br>50<br>50 |
| max. current (A)   | 17.5   |                             |                | 17.5   |                             |                |
| Screw driver   | 0.5x3  | 500042                      | -              | 0.5x3  | 500042                      | -              |
| Marking Tags   | NS6  | For details see Accessories |                | NS6  | For details see Accessories |                |

| Dimensions (mm)                   | RDT2.5-C        | RDT2.5-CTS      |
|-----------------------------------|-----------------|-----------------|
| Width/Length                      | 6 / 45.3        | 6 / 45.3        |
| Height, G32/TH 35-7.5/TH 35-15    | - / 47.6 / 55.1 | - / 47.6 / 55.1 |
| Connection capacity               |                 |                 |
| Rigid Solid (mm <sup>2</sup> )    | 0.5-4           | 0.5-4           |
| Rigid stranded (mm <sup>2</sup> ) | 0.5-4           | 0.5-4           |
| Flexible (mm <sup>2</sup> )       | 0.5-4           | 0.5-4           |
| American Wire Gauge (AWG)         | 20-12           | 20-12           |
| IEC test gauge                    | A4              | A4              |
| Stripping length (mm)             | 12              | 12              |
| Clamping screw                    | M2.5            | M2.5            |
| Tightening torque (N.m)           | 0.4-0.6         | 0.4-0.6         |
| Insulation material               | PA 6.6          | PA 6.6          |

**RDT2.5-CDC**

width 6 mm

**RDT2.5-CRC**

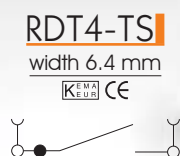
width 6 mm












| IEC 60947-7-1 Rated data  |  | RDT2.5-CDC   |                             |                | RDT2.5-CRC   |                             |                |
|---|--|--|-----------------------------|----------------|--|-----------------------------|----------------|
| Voltage/Impulse voltage (kV)                                    |  | 500 / 6  |                             |                | 500 / 6  |                             |                |
| Diode reverse voltage (V)                                       |  | 1000   |                             |                | -  |                             |                |
| Current (A)   |  | 17.5 *   |                             |                | 17.5   |                             |                |
| Diode Current (A)   |  | 1  |                             |                | -  |                             |                |
| Diode   |  | 1N4007   |                             |                | -  |                             |                |
| Cross - section (mm <sup>2</sup> )                              |  | 1.5  |                             |                | 1.5  |                             |                |
| Description   |  | Type   | Ordering No.                | Qty.           | Type   | Ordering No.                | Qty.           |
| Disconnect and component terminal, for mounting on TH 35-7.5, 1 |  | RDT2.5-CDC   | 101412                      | 25             | RDT2.5-CRC   | 101417                      | 25             |
| End bracket, for G 32 TH 35- 7.5, 15                            |  | EB/2<br>10   | 200103                      | 50             | EB/2<br>10   | 200103                      | 50             |
| Bridge-comb   |  | BC10-2.5 10-pos.<br>BC3-2.5 3-pos.<br>BC2-2.5 2-pos. | 201414<br>201415<br>201416  | 10<br>50<br>50 | BC10-2.5 10-pos.<br>BC3-2.5 3-pos.<br>BC2-2.5 2-pos. | 201414<br>201415<br>201416  | 10<br>50<br>50 |
| max. current (A)  |  | 17.5   |                             |                | 17.5   |                             |                |
| Screw driver  |  | 0.5x3  | 500042                      | -              | 0.5x3  | 500042                      | -              |
| Marking Tags  |  | NS6  | For details see Accessories |                | NS6  | For details see Accessories |                |

| Dimensions (mm)                   |                 |                 |
|-----------------------------------|-----------------|-----------------|
| Width/Length                      | 6 / 45.3        | 6 / 45.3        |
| Height, G32/TH 35-7.5/TH 35-15    | - / 66.4 / 73.9 | - / 66.4 / 73.9 |
| Connection capacity               |                 |                 |
| Rigid Solid (mm <sup>2</sup> )    | 0.5-4           | 0.5-4           |
| Rigid stranded (mm <sup>2</sup> ) | 0.5-4           | 0.5-4           |
| Flexible (mm <sup>2</sup> )       | 0.5-4           | 0.5-4           |
| American Wire Gauge (AWG)         | 20-12           | 20-12           |
| IEC test gauge                    |                 |                 |
| Stripping length (mm)             | 12              | 12              |
| Clamping screw                    |                 |                 |
| Tightening torque (N.m)           | 0.4-0.6         | 0.4-0.6         |
| Insulation material               |                 |                 |
|                                   | PA 6.6          | PA 6.6          |

\*The maximum operating current up to 1A, when using diode.



| IEC 60947-7-1 rated data  |  | RDT4                        |                |  | RDT4-TS                     |                |  |
|---|--|-----------------------------|----------------|--|-----------------------------|----------------|--|
| Voltage (V) / Impulse voltage (kV)  |  | 500 / 6                     |                |  | 500 / 6                     |                |  |
| Pollution degree / Voltage category / Material group  |  | 3/III/I                     |                |  | 3/III/I                     |                |  |
| Current (A)   |  | 17.5                        |                |  | 17.5                        |                |  |
| Cross - section (mm <sup>2</sup> )  |  | 1.5                         |                |  | 1.5                         |                |  |
| Description   | Type   | Ordering No.                | Qty.           | Type   | Ordering No.                | Qty.           |  |
| Test disconnect terminal, for mounting on G 32 <br>TH 35-7.5, 15  | RDT4   | 101401                      | 50             | RDT4-TS with socket screw                      | 101402                      | 50             |  |
| End plate<br>width (mm)    | EP-RDT4<br>1.5                                 | 200404                      | 100            | EP-RDT4<br>1.5                                 | 200404                      | 100            |  |
| End bracket, for G 32<br>width (mm) Raad recommended   | EB/32<br>8                                     | 200101                      | 50             | EB/32<br>8                                     | 200101                      | 50             |  |
| End bracket, for TH 35-7.5, 15<br>width (mm) Raad recommended    | EB/3<br>10                                     | 200108                      | 50             | EB/3<br>10                                     | 200108                      | 50             |  |
| End bracket, for TH 35- 7.5, 15<br>width (mm) Raad recommended   | EB/1<br>9.5                                    | 200107                      | 50             | EB/1<br>9.5                                    | 200107                      | 50             |  |
| Bridge-comb<br>  | BC10-4 10-pos.<br>BC3-4 3-pos.<br>BC2-4 2-pos. | 201410<br>201409<br>201408  | 10<br>50<br>50 | BC10-4 10-pos.<br>BC3-4 3-pos.<br>BC2-4 2-pos. | 201410<br>201409<br>201408  | 10<br>50<br>50 |  |
| max. current (A)  | 17.5   |                             |                | 17.5   |                             |                |  |
| Screw driver   | 0.5x3  | 500042                      | -              | 0.5x3  | 500042                      | -              |  |
| Marking Tags   | NS6.4  | For details see Accessories |                | NS6.4  | For details see Accessories |                |  |

| Dimensions (mm)                   |                    |
|-----------------------------------|--------------------|
| Width/Length                      | 6.4 / 49           |
| Height, G32/TH 35-7.5/TH 35-15    | 51.3 / 47.4 / 54.9 |
| Connection capacity               |                    |
| Rigid Solid (mm <sup>2</sup> )    | 0.5-4              |
| Rigid stranded (mm <sup>2</sup> ) | 0.5-4              |
| Flexible (mm <sup>2</sup> )       | 0.5-4              |
| American Wire Gauge (AWG)         | 20-12              |
| IEC test gauge                    |                    |
| Stripping length (mm)             | 12                 |
| Clamping screw                    |                    |
| Tightening torque (N.m)           | 0.5                |
| Insulation material               |                    |
|                                   | PA 6.6             |

**RDT4-D1**  
width 6.4 mm



**RDT4-R1**  
width 6 mm



**IEC 60947-7-1 rated data**

Voltage (V) / Impulse voltage (kV)  
Pollution degree / Voltage category / Material group  
Current (A)  
Cross - section (mm<sup>2</sup>)  
Diode  
Diode Current (A)  
Diode reverse voltage (V)

|  | <b>RDT4-D1</b> | <b>RDT4-R1</b> |
|--|----------------|----------------|
| Voltage (V) / Impulse voltage (kV)                   | 500 / 6        | 500 / 6        |
| Pollution degree / Voltage category / Material group | 3/III/I        | 3/III/I        |
| Current (A)  | 17.5           | 17.5           |
| Cross - section (mm <sup>2</sup> )                   | 1.5            | 1.5            |
| Diode  | 1N4007         | -              |
| Diode Current (A)                                    | 1              | -              |
| Diode reverse voltage (V)                            | 1000           | -              |

| <b>Description</b>   | <b>Type</b>   | <b>Ordering No.</b>         | <b>Qty.</b> | <b>Type</b>   | <b>Ordering No.</b>         | <b>Qty.</b> |
|--|---|-----------------------------|-------------|---|-----------------------------|-------------|
| Test disconnect terminal, for mounting on G 32 TH 35-7.5, 15 | RDT4-D1   | 101405                      | 50          | RDT4-R1   | 101403                      | 50          |
| End plate width (mm)   | EP-RDT4 1.5   | 200404                      | 100         | EP-RDT4 1.5   | 200404                      | 100         |
| End bracket, for G 32 width (mm) Raad recommended            | EB/32 8   | 200101                      | 50          | EB/32 8   | 200101                      | 50          |
| End bracket, for TH 35-7.5, 15 width (mm) Raad recommended   | EB/3 10   | 200108                      | 50          | EB/3 10   | 200108                      | 50          |
| End bracket, for TH 35- 7.5, 15 width (mm) Raad recommended  | EB/1 9.5  | 200107                      | 50          | EB/1 9.5  | 200107                      | 50          |
| Bridge-comb max. current (A)                                 | BC10-4 10-pos. 201410<br>BC3-4 3-pos. 201409<br>BC2-4 2-pos. 201408<br>17.5 | 10<br>50<br>50              |             | BC10-4 10-pos. 201410<br>BC3-4 3-pos. 201409<br>BC2-4 2-pos. 201408<br>17.5 | 10<br>50<br>50              |             |
| Screw driver   | 0.5x3   | 500042                      | -           | 0.5x3   | 500042                      | -           |
| Marking Tags   | NS6.4   | For details see Accessories |             | NS6.4   | For details see Accessories |             |

| <b>Dimensions (mm)</b>            |                    |                    |
|-----------------------------------|--------------------|--------------------|
| Width/Length                      | 6.4 / 49           | 6.4 / 49           |
| Height, G32/TH 35-7.5/TH 35-15    | 51.3 / 47.4 / 54.9 | 51.3 / 47.4 / 54.9 |
| <b>Connection capacity</b>        |                    |                    |
| Rigid Solid (mm <sup>2</sup> )    | 0.5-4              | 0.5-4              |
| Rigid stranded (mm <sup>2</sup> ) | 0.5-4              | 0.5-4              |
| Flexible (mm <sup>2</sup> )       | 0.5-4              | 0.5-4              |
| American Wire Gauge (AWG)         | 20-12              | 20-12              |
| <b>IEC test gauge</b>             | <b>A4</b>          | <b>A4</b>          |
| Stripping length (mm)             | 12                 | 12                 |
| <b>Clamping screw</b>             | <b>M2.5</b>        | <b>M2.5</b>        |
| Tightening torque (N.m)           | 0.5                | 0.5                |
| <b>Insulation material</b>        | <b>PA 6.6</b>      | <b>PA 6.6</b>      |