



## DATA SHEET FOR 1 MODULE RCBO B AND C CURVES



LIST No

| 30mA Type B | 30mA Type C |
|-------------|-------------|
| 61/B10630   | 61/C10630   |
| 61/B11030   | 61/C11030   |
| 61/B11630   | 61/C11630   |
| 61/B12030   | 61/C12030   |
| 61/B13230   | 61/C13230   |
| 61/B14030   | 61/C14030   |
| 61/B15030   | 61/C15030   |

|                                      |                                       |   |
|--------------------------------------|---------------------------------------|---|
| Standards                            | IEC/EN 61009-1, IEC/EN 61009-2-1      |   |
| Approved acc. to                     | IEC/EN 61543                          |   |
| Tripping characteristic              | B, C                                  |   |
| Rated voltages $U_n$                 | V AC                                  | 230 (240)                                 |
| Rated frequency $f_n$                | Hz                                    | 50 ... 60                                 |
| Rated currents $I_n$                 | A                                     | 6, 10, 16, 20, 32, 40, 50                 |
| Rated residual currents $I_{2n}$     | mA                                    | 30  |
| Rated switching capacity             | kA                                    | 6   |
| Energy limitation class              | 3                                     |   |
| Terminals / conductor cross-sections |                                       |   |
| Outgoing                             | mm <sup>2</sup>                       | 0.75 ... 16                               |
| Terminal tightening torque           | Nm                                    | 2   |
| Mains connection                     | Pin                                   |   |
| Mounting position                    | Any                                   |   |
| Degree of protection                 | acc. to EN 60529                      | IP20, with connected conductors           |
| Touch protection                     | acc. to EN 50274                      | Finger and back-of-hand safe              |
| Service life                         | Test cycle<br>acc. to<br>IEC/EN 61009 | switching<br>cycles<br>>10000             |
| Storage temperature                  | °C                                    | -40 ... +75                               |
| Ambient temperature                  | °C                                    | -25 ... +45                               |
| Resistance to climate                | Acc. to<br>IEC 60068-2-30             | 28 cycles (55 °C; 95 % rel. air humidity) |
| CFC and silicone-free                | Yes                                   |   |

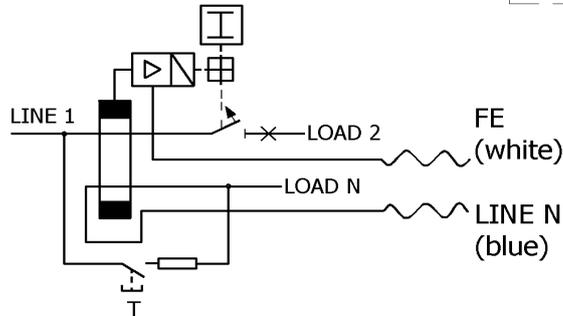
RCBOs (Residual Current Circuit Breakers with integral Overcurrent protection) are a combination of an RCCB and miniature circuit breaker in a compact, single module, design. An RCBO with a rated residual tripping current of 30mA meeting the requirements of 415.1.1 can be used for circuits and cable installations covered by 411.3.3 (socket outlets), 522.6.6, 522.6.7, 522.6.8 (wiring systems) and 701.411.3.3 (locations containing a bath or shower).

TECHNICAL

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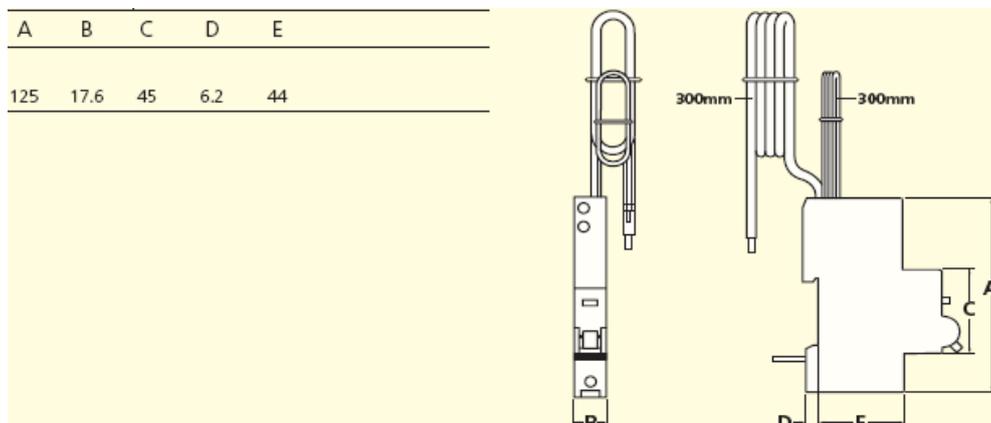


### Connection details:

- Plug the RCBO onto the DIN rail / busbar system
- Route the blue neutral 'flying lead' to the corresponding neutral bar connection
- Route the functional earth (FE) 'flying lead' to the corresponding earth bar (PE) connection
- Check tightness of screw connections to the required torque of 2Nm DO NOT connect using power driven screwdrivers
- Test after installation (Disconnect during insulation resistance testing)

During interruption of the neutral conductor the protective function is guaranteed when FE and PE conductors are connected. To establish correct function of the RCBO mechanism the test button T shall be pressed frequently

### Dimensions



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