

# DSE201 Compact design with enhanced protection



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A breaking capacity of 6 kA makes the electronic RCBOs suitable for residential and commercial installations. The System pro M compact® shape of the DSE201 offers full integration with ABB's range of modular devices. This allows to use the residual current circuit-breakers with overcurrent protection as retrofit solution to renew distribution boards. In only one module width, the residual current circuit breakers with overcurrent protection DSE201 combine the protection against earth-fault currents and overcurrents, and a high breaking capacity of 6 kA. The DSE201 RCBOs are available in A and AC types, with sensitivity from 30 to 100 mA and rated currents from 6 to 32A. Type A allows to detect pulsating DC earth fault components generated by modern electronic appliances, such as data communication equipment. The 100 mA version is suitable for protection of equipment against earth leakage currents.

# The module for total safety

## DSE201 6 kA: the highest level of reliability

The 1P+N electronic residual current circuit-breakers with overcurrent protection (RCBOs) DSE201 meet the demand for devices that fully protect modern installations against short-circuit currents, overloads earth fault currents and indirect contacts, providing additional protection against direct contacts (30 mA versions).

Each RCBO is fitted with a functional earth wire to guarantee the highest level of safety, even in case of loss of neutral.

In only one module width, these electronic residual current circuit-breakers with overcurrent protection offer a technologically advanced and comprehensive range with outstanding features, sizes and tripping characteristics.

DSE201 is also equipped with an overvoltage protection feature in order to monitor the voltage level of the network. When the voltage exceeds a preset threshold (330V) the DSE201 trips, shielding loads from damage. In this way, more safety is ensured to the installation.

## The value of quality

### Made in Italy and attention to details

#### Friendly and protected

Fast installation is supported by the two flying leads for neutral cable and functional earth, each integrated in the device, which can be directly connected to the main neutral bar and main earth bar.

#### Easy and flexible

The double clip eases dismantling even when the unit is installed in a high density system. A single device can be removed from the cluster without disconnecting other units. The same screwdriver used to tighten terminals can also be used to unlock the DIN rail fixing device of the unit.

#### Space for insulated screwdrivers

The larger neutral hole allows the use of an insulated screwdriver to tighten the screw of neutral terminals, ensuring maximum operation safety. All versions are equipped with cage type terminals (16mm<sup>2</sup> load side), with tightening torque of 1.2 Nm.

#### Real contact position indicator on toggle

Directly connected to the moving contact of the device, it indicates the exact position of the contacts at all times (red: closed contacts, green: open contacts).

#### Product coding

All the necessary technical and installation information can be found directly on the device. Product range, tripping characteristics, rated currents, sensitivity, type, breaking capacity, rated voltage, order code, EAN code, electrical scheme, reference standards and many other specifications are laser printed on the front and side of units.

#### In control

Test button allows the regular check of the functionality of the device.

#### Double slot terminal

On the line side, the availability of a terminal with two slots allows to use different types of conductors: one housing is designed for cables up to 25 mm<sup>2</sup>, the other for busbars or cables up to 10 mm<sup>2</sup>.



#### Anti counterfeiting

Each DSE201 is equipped with a RFID tag containing a unique serial number assigned by ABB according to ISO/IEC FCD 15693-3 standard in order to authenticate the product. Through this unique serial number, ABB can easily identify counterfeited products and verify the authenticity of each single device.

#### Reduced height

Thanks to its reduced height, only 10 cm, DSE201 makes easier wiring operation inside the consumer unit or the distribution board.

