# Micrologic control units

# For Compact NS630b to 3200

Micrologic 2.0, 5.0 and 6.0 control units protect power circuits. Micrologic 5.0 and 6.0 offers time discrimination for short-circuits as well.

# Micrologic 5.0 2 5 6

### **Protection**

Protection thresholds and delays are set using the adjustment dials.

### Overload protection

True rms long-time protection.

Thermal memory: thermal image before and after tripping.

Setting accuracy may be enhanced by limiting the setting range using a different long-time rating plug.

Overload protection can be cancelled using a specific LT rating plug "Off".

### **Short-circuit protection**

Short-time (rms) and instantaneous protection.

Selection of I<sup>2</sup>t type (ON or OFF) for short-time delay.

## **Earth-fault protection**

Residual or source ground return earth fault protection.

Selection of I<sup>2</sup>t type (ON or OFF) for delay.

### **Neutral protection**

On three-pole circuit breakers, neutral protection is not possible.

On four-pole circuit breakers, neutral protection may be set using a three-position switch: neutral unprotected (4P 3d), neutral protection at 0.5 Ir (4P 3d + N/2) or neutral protection at Ir (4P 4d).

### **Indications**

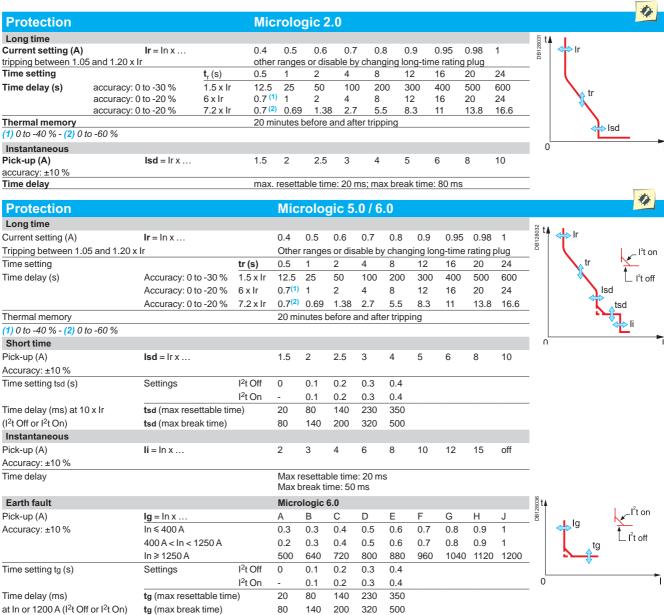
Overload indication by alarm LED on the front; the LED goes on when the current exceeds the long-time trip threshold.

### Test

A mini test kit or a portable test kit may be connected to the test connector on the front to check circuit-breaker operation after installing the trip unit or accessories.

- long-time threshold and tripping delay
- overload alarm (LED)
- short-time pick-up and tripping delay
- instantaneous pick-up fixing screw for long-time rating plug

Micrologic control units are equipped with a transparent leadseal cover as standard



Note: all current-based protection functions require no auxiliary source.

The test / reset button resets maximeters, clears the tripping indication and tests the battery.