

## Power distribution

Application: all buildings

# Shed non-priority loads automatically

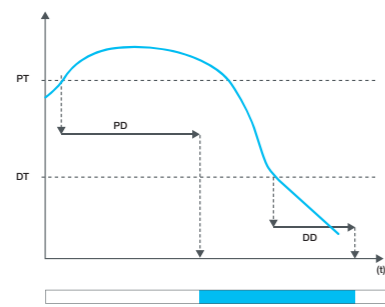
“ I want to switch to a more cost-effective contract with my electric utility. I can shed non-critical loads to make sure I stay within my utility rate block, but I can't afford sudden power cuts. ”

## Solution

### Design your electrical system around Compact NSX circuit breakers

Compact NSX circuit breakers allow you to manage reflex load shedding: the automatic shedding of specific loads.

The Compact NSX circuit breaker with integrated Micrologic 5.2 E electronic trip unit sends the reflex load shedding command. The trip unit measures I, V, P and E, and produces the appropriate alarms. Each alarm is associated with a load shedding trigger setting and a deactivation setting, each with time delay. The reflex load shedding order is sent via the Compact NSX circuit breaker's SDx output module.



PT: Pick-up threshold  
 PD: Pick-up time delay  
 DT: Drop-out threshold  
 DD: Drop-out time delay  
 Alarm: activation zone (in blue)

Each alarm is associated with a load-shedding trigger setting and a deactivation setting.

# Benefits

### For the user



#### > Save up to 10% off your energy bills

Subscribe to a more cost-effective utility contract and avoid costly utility rate-block overrun penalties



#### > Get the most out of your investment

and enjoy greater reliability with the Compact NSX circuit breaker, integrating both protection and measurement capabilities

#### > Increase power availability

by preventing overload tripping

## For professionals

### + Easy design and use

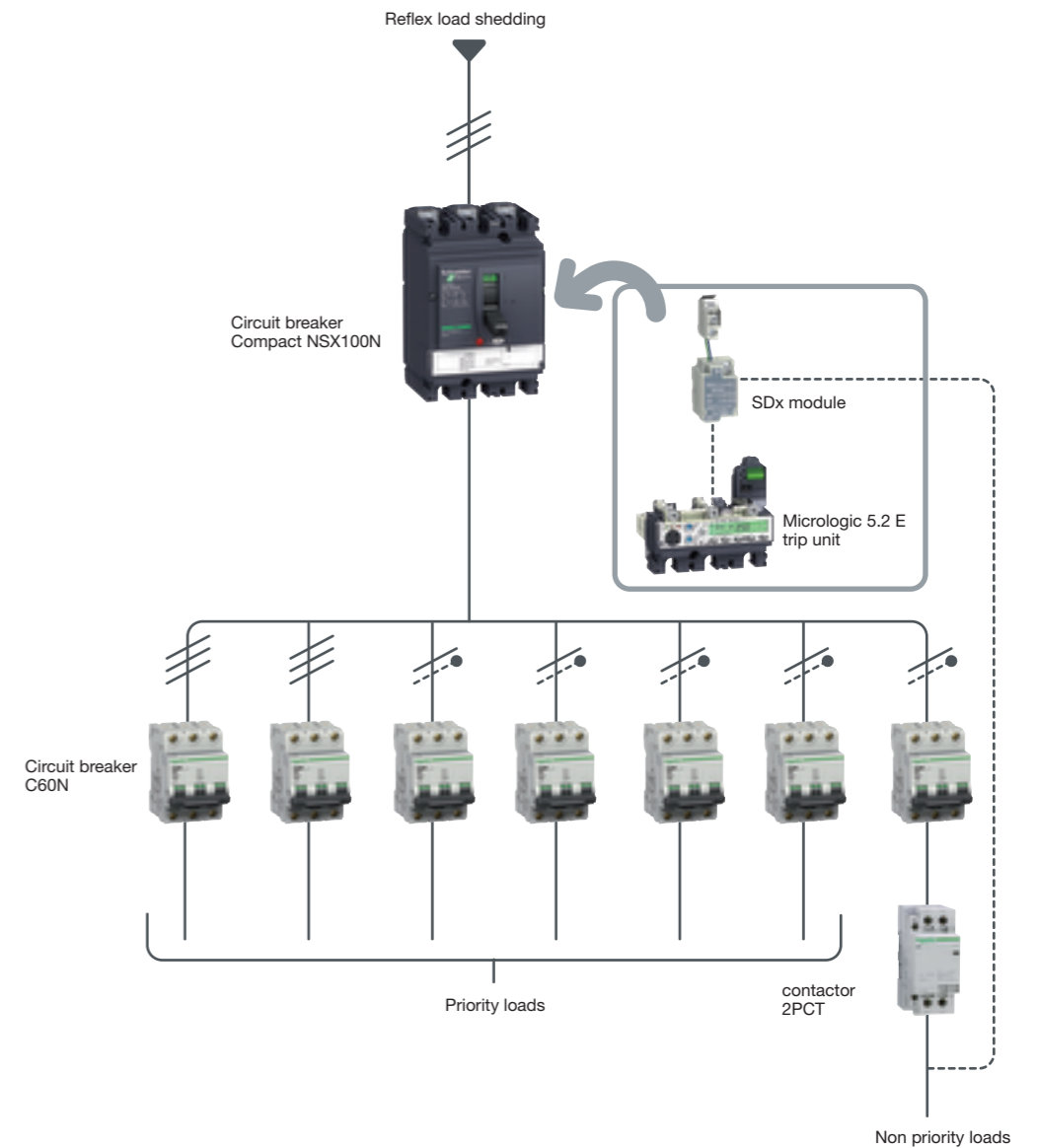
- Limited part numbers for easy selection and ordering
- No need for a current transformer

### + Easy installation and maintenance

- A single reference for the SDx output module
- Easy configuration via user-friendly RSU\* software, your PC and a maintenance module
- Easy testing using the LSU\* software, your PC, and the maintenance module

\* Free download available online at [www.schneider-electric.com](http://www.schneider-electric.com)

- Measure
- Reduce energy consumption
- Reduce energy costs



#### Compact NSX 100-630 A circuit breaker

The first-ever moulded-case circuit breaker to include protection, measurement, and communication capabilities in a single unit

**Independent, configurable alarm time delays** with flexibility from 1 to 3,000 seconds in a single unit

#### Micrologic 5.2 E trip unit

with integrated energy measurement—unique on the market



#### SDx Module

with two outputs and power supply from 24 V to 415 V, AC or DC