

Spectra™ to Tmax® XT molded case circuit breakers

A new generation of innovative molded case circuit breakers, designed to save you both money and time.

NEW!

- Self-contained within the breaker
- A wide array of options and accessories
- Installed in up to 40% less time than traditional circuit breakers
- Update electronic trip units in the field in a little as 5 minutes
- Provides plug-and-play communication that allows you to connect to the cloud and access 30% more information



Guide for the migration process, focused on application requirements

What are your system requirements?

1. What voltage do you need?
2. What amperage do you need?
3. What interrupting current do you need?
4. How many poles do you need?
5. Do you need 80% or 100% rated?

What are your electrical requirements?

1. What trip unit do you need?
 - L (overload protection) – Fixed or adjustable?
 - S (selective short circuit protection) – Yes (adjustable) or no?
 - I (short circuit protection) – Fixed or adjustable?
 - G (ground fault protection) – Yes or no?
2. What will the application be?
 - General protection?
 - Motor protection?
 - Generator protection?
 - Molded case switch?
3. Do you need communications/monitoring?
 - Bluetooth® connectivity?
 - Metering?
 - Monitoring?
 - Communication?
 - Cloud connectivity?

Migration example

Your customer currently uses a Spectra SF frame breaker, outlined below.

What are your system requirements?

1. What voltage do you need? 480 V
2. What amperage do you need? 200 A
3. What interrupting current do you need? 65 kA
4. How many poles do you need? 3 poles
5. Do you need 80% or 100% rated? 80% rated

What are your electrical requirements?

1. What trip unit do you need?
 - L (overload protection), fixed
2. What will the application be?
 - General protection
3. Do you need communications/monitoring?
 - No communications/monitoring

Based on the customer's needs, ABB would suggest the following options:

1. XT3 – Since the customer wants a thermal magnetic trip for a breaker rated 200 A at 480 V.
2. XT4 – If the customer ends up needing an electronic trip unit or needs the ability to install the breaker into a Spectra power panelboard with the Spectra retrofit kit.

Available at:



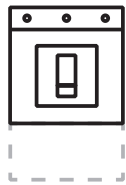
Choosing the right retrofit has never been so easy

You consider what you need.
We will show you what's possible

The world of electrical distribution is a complex one, yet choosing the right device for your individual needs has never been simpler thanks to this Tmax XT retrofit⁰¹ offering for Spectra Panelboards. May be you are looking for a basic protection device for a standard distribution system.

Or perhaps you need something more complex, such as a locking mechanisms or devices that integrate protection, automation, measuring and communication into a cloud-based supervision system. We have whatever you are looking for, with a wealth of customization possibilities and a range of possible solutions depending on your needs.

Step 1. Select breaker and trip unit



Step 2. Select retrofit kit

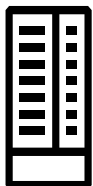
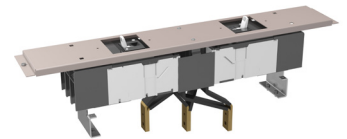


ABB Empower



Step 3. Enter separate breaker and retrofit kit orders through empower.abb.com using desktop, laptop or mobile devices.



Step 4. Receive breaker and retrofit kit shipments

⁰¹ Maximum of two Tmax XT4, XT5 or XT7 retrofit kits can be installed, side by side, in an existing Spectra panelboard installation