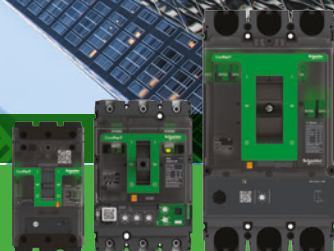# Meet the new face of connected breaker technology

70 years of innovative and reliable protection

The Schneider Electric™ ComPacT™ range is built on 70 years of expertise and leadership in industrial circuit breakers.

Today Schneider Electric is launching its new generation of ComPacT molded case circuit breakers.

The comprehensive, optimized ComPacT range covers your protection and has been redesigned with a superior customer experience in mind.

The range combines wireless intelligent metering and monitoring, along with advanced protective functions.

This range can be connected to Schneider Electric's open, interoperable, IoT-enabled EcoStruxure™ Power architecture. Through this platform we deliver enhanced value in terms of safety, reliability, efficiency, sustainability, and connectivity.

We leverage technologies in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level. This includes connected products, edge control, apps, analytics and services.

2008
Compact NSX

2017
Compact NSXm

2018
ComPact NSX & NSXm with MicroLogic Vigi

2021
ComPacT NSX & NSXm New Generation

1952
Compact NW

1974
Compact C

1994
Compact NS
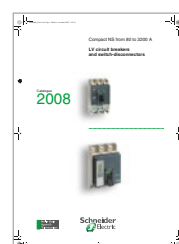
2008
Compact NS

2020
ComPact NS

2021
ComPacT NS New Generation

Discover the New Generation of ComPacT
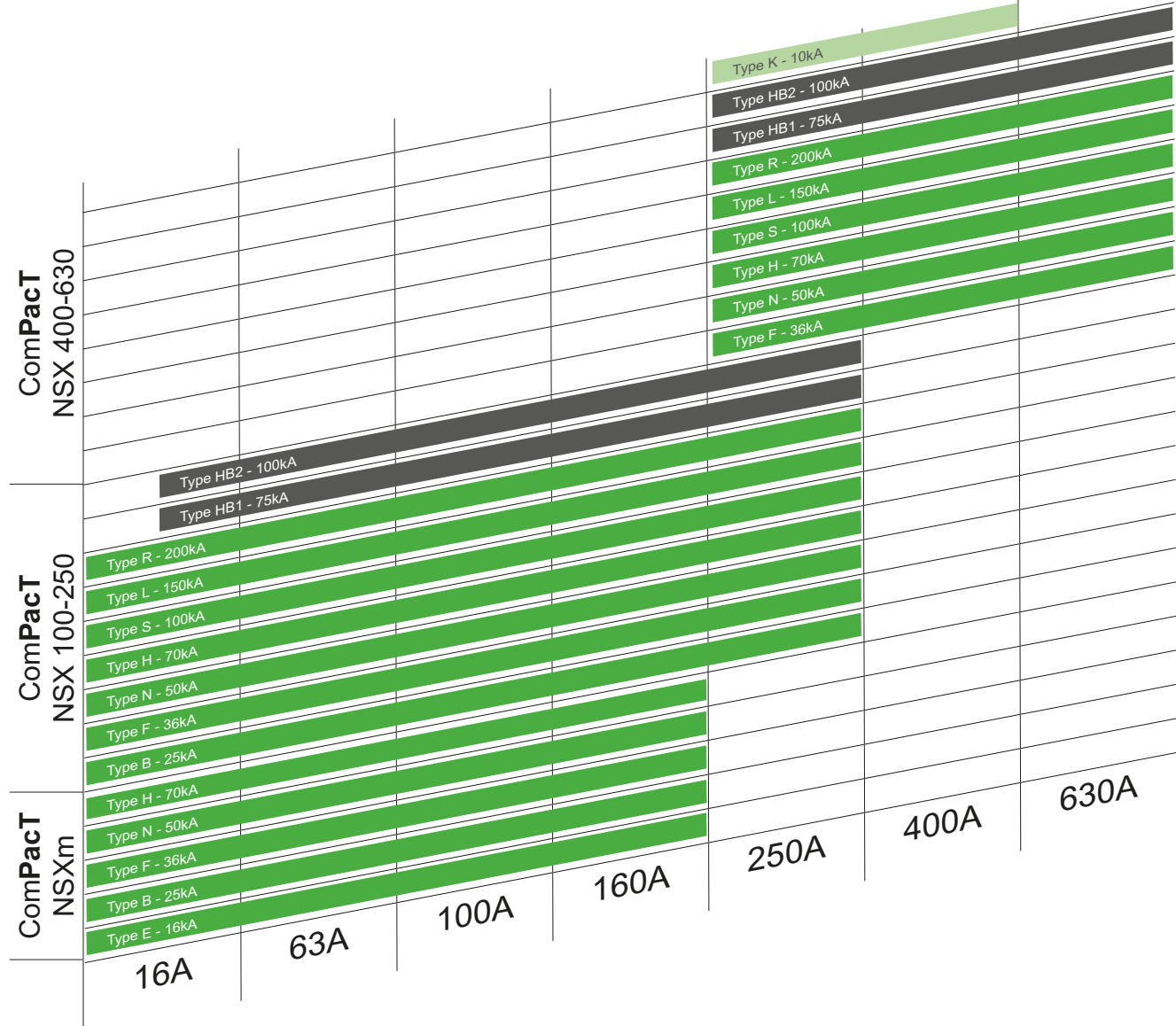
se.com/compact-nsx

ComPacT NSX and NSXm, even more innovative and efficient

ComPacT circuit breakers feature Schneider Electric's exclusive Roto-Active Breaking System; it reduces the effects of short circuits of your installation.

Today, the ComPacT range is optimized with a high level of breaking capacities, outstanding selectivity and cascading. It offers more advanced functions and ergonomic designs for easy installation and operations.

Eleven Performance Levels

K | HB2 | HB1 | R | L | S | H | N | F | B | E

ComPacT NSX 400-630

- Type K - 10kA
- Type HB2 - 100kA
- Type HB1 - 75kA
- Type R - 200kA
- Type L - 150kA
- Type S - 100kA
- Type H - 70kA
- Type N - 50kA
- Type F - 36kA

ComPacT NSX 100-250

- Type HB2 - 100kA
- Type HB1 - 75kA
- Type R - 200kA
- Type L - 150kA
- Type S - 100kA
- Type H - 70kA
- Type N - 50kA
- Type F - 36kA
- Type B - 25kA

ComPacT NSXm

- Type H - 70kA
- Type N - 50kA
- Type F - 36kA
- Type B - 25kA
- Type E - 16kA

16A | 63A | 100A | 160A | 250A | 400A | 630A

Icu = (kA rms) at 1000V AC

Icu = (kA rms) at 690V AC

Icu = (kA rms) at 415V AC

Schneider Electric is proud to introduce the new generation of Com**PacT** MCCBs.
These breakers talk to you, wherever you are, in all transparency. New design complements new wireless connectivity capabilities with our latest wireless indication auxiliary.

New

Com**PacT** Design

New

Wireless Indication Auxiliary

New Signature Design

- Schneider Electric green signature style for the entire Com**PacT** range
- Estimated 40% reduction of wiring time for panel builders
- Experience easier installation thanks to a new ergonomic front-plate design
- Gain the confidence that all auxiliaries are on the right spot, and simply double check that you have the right coil rating
- Ergonomic new toggle for easier breaker manual operation

Wireless Breaker Status

Wireless technology accelerates overall wiring time: Status communication is done very simply and commissioned wirelessly. No cable connection is required; with a simple clip, the auxiliary is installed and ready for commissioning.

In case of a change on your breaker's status, you get two steps of indication:

- Remote indication (App/Software): Your ComPacT circuit breaker will send you an immediate notification via your Edge Control app/software.
- Local indication (Blinking LED): Gain time by identifying which breaker is concerned in your overall electrical architecture

Ready to meet the new face of Com**PacT**?
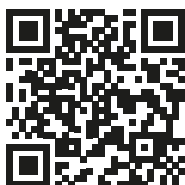
In 2021 you will meet the new generation of Com**PacT**™ circuit breakers with semi-transparent faceplate, screwless auxiliaries and remote monitoring features.

Learn about the benefits of the Com**PacT** range here:
se.com/compact-nsx

While we are launching a new generation of Com**PacT** breakers, we are building upon the very latest innovations that made the success of the range in the first place. The following innovations were launched recently and are still very much applicable to the new generation of Com**PacT** breakers.

Com**PacT** NSXm

Smallest size in the range

- Com**PacT** NSXm is the smallest frame size in the range, incorporating new features and innovations
- Gain up to 40% in space when using with integrated earth leakage protection
- Reduce up to 40% mounting and cabling time with EverLink™ connectors, built-in DIN rail and spring-type auxiliaries
- Select, configure and commission with ease, thanks to Schneider Electric online tools: EcoStruxure Customer Lifecycle Software, such as EcoStruxure Power Design – Ecodial

MicroLogic Vigi
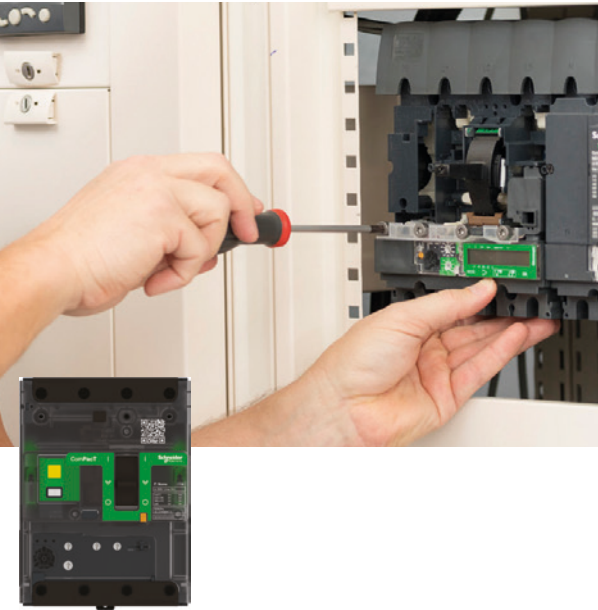
Integrated earth leakage protection

- Easy to integrate into a row that does not have earth leakage protection
- Simple to use, reliable, and now comes in the same frame size, and for the same panel support
- Gain up to 40% in space when using with integrated earth leakage protection into the MicroLogic Vigi trip units
- Standard protection of distribution cables
- Part of the EcoStruxure Power architecture, with digital communication capability and data management (settings, measurement, pre-alarms, trip & test history)

Innovation that protects:

In 2021 you will meet the new generation of Com**PacT**™ circuit breakers with semi-transparent faceplate, screwless auxiliaries and remote monitoring features.

Learn about the benefits of the Com**PacT** NSX range here:
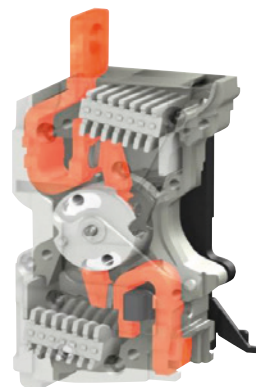se.com/compact-nsx

Optimized size and innovations tailored to your needs

Roto-active™ breaking technology

While the Com**PacT** NSXm is the smallest breaker in the Com**PacT** range, it nonetheless features all the innovations from previous generations, and notably includes roto-active breaking technology.

Schneider Electric was the first to introduce this technology - an innovation in which the effective fault current limitation benefits the entire installation, particularly its cables.

Reduce the effects of short circuits to extend your installation life:

- Increase life duration of all items downstream of the electrical network
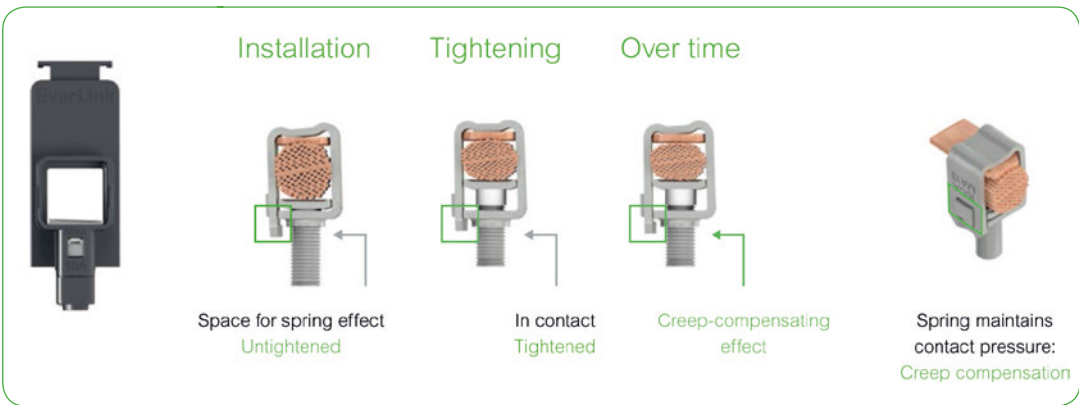- Provide both outstanding selectivity and cascading

EverLink™ connectors – for enduring protection

Com**PacT** NSXm

The Com**PacT** NSXm features EverLink, an innovative cable connection method with patented creep-compensating technology that is built directly into the terminal. EverLink gives you:

- Confidence that your electrical connections maintain consistent pressure on the cable over time
- A space-saving solution as bare cable connections are as reliable as compression lug cable connections
- IP40 protection available thanks to transparent long terminal shield

Installation	Tightening	Over time

Space for spring effect
Untightened

In contact
Tightened

Creep-compensating effect

Spring maintains contact pressure:
Creep compensation

Connectivity: from corrective to predictive maintenance

As Schneider Electric's IoT-connected power supply architecture, EcoStruxure Power makes maintenance more effective, and reduces the probability and duration of blackouts. Com**PacT** circuit breakers play a major role in the EcoStruxure architecture, acting as watchdogs over the power supply systems, and providing data to digital architectures and monitoring software.

Corrective maintenance

EcoStruxure Power enables maintenance managers to significantly reduce power outage duration.

Example: In case of a tripped breaker, the system automatically sends email alerts. Facility managers can diagnose the incident remotely, decide upon the appropriate actions, and monitor the results.

Preventative maintenance

Enables technicians to fix issues before impacting the comfort and productivity of building occupants. This is done by:

- Sending remote warnings as soon as a creeping fault is detected, especially current leakage.

- Assisting during routine checks, ensuring all points are verified regularly and providing access to all information, including event logs, in case of suspected weakness.

The available information enables preventive maintenance based on wear-out indications and warnings sent via the digital system.

Predictive maintenance

Data collected across the power distribution network, stored and computed by Schneider Electric analytics, provides greater insight for improved long-term planning and life-cycle management. Furthermore, advanced data processing enables predictive maintenance.

Example: By analyzing historical data and monitoring load profiles, maintenance and upgrades can be scheduled efficiently.

Learn about connectivity online:

Scan or click on QR code

EcoStruxure Power connected products

Embrace an open partner ecosystem

Today's value chain in electrical distribution is highly fragmented and inefficient from design to maintenance.

With EcoStruxure Power solutions, Schneider Electric strengthens and simplifies the entire project path by shaping a unique ecosystem of specifiers, contractors, panel builders, integrators, distributors and facility managers serving end users.

450,000+
EcoStruxure installations

1 billion
connected devices

For these electrical distribution professionals, EcoStruxure Power provides opportunities to broaden and improve the services they offer their customers.

- A comprehensive and innovative range of IoT-enabled LV and MV offers
- Proven, interoperable reference architectures for any building or business
- Design, selection, commissioning and configuration tools to enhance deployment efficiencies across the project life cycle

Apps, Analytics & Services

Actionable predictive maintenance information that helps protect your customers, safeguard your reputation and minimize financial impact.

Edge Control

Track maintenance activity to reduce downtime, energy use, and maintenance costs while improving site planning and revealing additional capacity.

Connected Products

IoT-enabled low and medium voltage offers to seamlessly fit into EcoStruxure architectures.

Contribute to a better world. Enhance sustainability with Com**PacT** range

Achieve Green Building certification with Green Premium ecolabel

In compliance with ISO 14025 PEP ecopassport program, we publish a comprehensive Life Cycle Analysis of our product, providing the environmental data you need to achieve Green Building certifications.

For example, Com**PacT** NSX & NSXm contribute to 3 LEED™ points in the Building Product Disclosure and Optimization section:

- Environmental Product Declaration
- Material Ingredients

Com**PacT** NSX range is now enriched with the new Com**PacT** NSXm, designed according to the EcoDesign Way™ by Schneider. It now features new space saving frame size for reduced resource consumption, and more.

New Packaging

- The Com**PacT** range comes in plastic-less packaging: not only to reduce our carbon footprint, but it also means less waste in the workshop
- Simplified instruction sheets included in all packaging
  Scan the QR code on the simplified instruction sheet to access a full and digital one
- 100% recycled carton
- This product is REACH and RoHS compliant

New generation, simpler commercial references

New meaningful references to make your life easier

We know any change in commercial references will be an adjustement, but in the long run we believe this change is needed, and will make your life easier.

For instance LV429630 will become **C10F3TM100**
Com**PacT** Breaker NSX100F 36kA AC 3P3D 100A TMD

ComPacT type	Frame rating	Breaking capacity	Number of poles	Trip unit	Trip unit ratings	Suffix
NSX = C	100m = 11	16kA = E	1P = 1	**TMD = TM**	16 = 016	EverLink = L
NSXm = C	160m = 12	25kA = B	2P = 2	MA = MA	20 = 020	Busbar = B
	100 = 10	**36kA = F**	**3P3D = 3**	TMG = MG	25 = 025	Fixed = F
	160 = 16	50kA = N	4P4D = 4	1.3 M = 1M	30 = 030	DC = D
	250 = 25	70kA = H	3P2D = 5	2.2 = 2D	40 = 040	Switch = S
	400 = 40	100kA = S	4P3D = 6	2.3 = 2D	50 = 050	DC PV = DP
	630 = 63	150kA = L		4.1 = 4V	63 = 063	
		...		4.2 = 4V	80 = 080	Acc with ID
				...	**100 = 100**	change = T
					...	

Scan QR code for breaker updates

Each breaker is equipped with a QR code that allows you to get the latest information on your breaker.

Simpler names for our offers

We are making it easier for you to navigate across the wide range of our world-class digital offerings and select with confidence the offers that are right for you and your needs.

EcoStruxure Architecture

To enable brand consistency, relevance and impact, we are reinforcing our EcoStruxure™ architecture and digital customer lifecycle tools to ensure a seamless experience from the CAPEX to OPEX phases of each project, bridging our entire ecosystem of partners, services providers and end users.

EcoStruxure is our IoT-enabled open and interoperable system architecture and platform. EcoStruxure delivers enhanced values around safety, reliability, efficiency, sustainability and connectivity for our customers. EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity technologies to deliver Innovation At Every Level from Connected Products; Edge Control; and Apps, Analytics & Services: our IoT technology Levels.

Old names	New names
Ecodial	EcoStruxure Power Design
Ecoreal	EcoStruxure Power Build
Ecoreach	EcoStruxure Power Commission
Masterpact MTZ mobile App	EcoStruxure Power Device App

PacT Series

Future-proof your installation with Schneider Electric's low voltage **PacT** Series.
Built on legendary Schneider Electric innovation, the **PacT** Series comprises world-class circuit breakers, switches, residual current devices and fuses, for all standard and specific applications. Experience robust performance with this comprehensive range of EcoStruxure- ready switchgear, for all applications from 16 to 6300 A.

Old names	New names
Compact	Com**PacT**
Masterpact	Master**Pact**
Micrologic	MicroLogic
Transferpact	Transfer**PacT**
Fupact	Fu**PacT**
Vigirex	Vigi**PacT**