Eco**struxure**™
Innovation At Every Level

EFFICIENCY

Redefining standards of
Efficiency, Visibility, Connectivity
with the **new Acti9 iC40 system**

The new
Acti9 iC40
Previously known
as IDPN

schneider-electric.com/acti9-system

Life Is On | **Schneider**
◢ Electric

Increasing efficiency, visibility and connectivity has never been more critical for your success!

+50%

Expected increase in energy consumption by 2050, as a result of urbanization, industrialization, and digitalization.[1]

50bn

There will be an estimated 50 billion smart connected devices in use globally by the year 2020.[2]

Acti9 iC40 system
The new high performance modular system for final distribution

Leveraging our expertise based on designing five generations of low-voltage modular systems, we are now renewing our already popular Prodis (DT40)/Clario (iDPN)/Librio (C40) range in full consistency with the Acti9 global system.

2001

From Prodis, Clario, Librio…

Back in 2001, we introduced the first optimized phase-neutral system to the market, simplifying the three-phase layout with an innovative system that allows for precise alignment between the electrical diagram and the organization of the devices in the panel.

2018

… To Acti9 iC40 system

We have built on our phase-neutral systems leadership, expanding our well-known Acti9 family by strengthening the core benefits of our first optimized range, adding new functions, and best-of-breed connectivity solutions.

1. UN Report: Global Industrial Energy Efficiency Benchmarking 2010
2. Cisco White Paper: The Internet of Things: How the Next Evolution of the Internet Is Changing Everything, 2011

The new Acti9 iC40 system
helps you rediscover EFFICIENCY

Why the "smart" Acti9 iC40 phase-neutral system matters

The Acti9 iC40 system provides unmatched benefits for those who design, build, operate and maintain final distribution panels.

- Ability to perfectly match the layout of the electrical diagram
- Significant savings in installation time, space in the panel, and on-site space
- Enhanced reliability and visual simplicity of cabling
- Optimized connection and installation under the same comb busbar of any type of device needed in a three-phase network

The Acti9 iC40 system is unmatched in terms of performance, installation, space efficiency, ease of maintenance and upgrades.

Acti9 iC40 system is designed to enhance your financial performance and competitiveness in your daily business.

EFFICIENCY

A fully-fledged member of the Acti9 Family!

Acti9 iC40 and Acti9 iC60 both share these key features:

| Same aesthetics | Same form-factor | Same range of auxiliaries | Same VisiTrip and VisiSafe features |

The new Acti9 iC40 system lets you rethink VISIBILITY

On-site and remote visible protection

Fast and simple identification of faulty devices, both on-site and remote, will contribute to visible safety, as well as increase customer satisfaction and loyalty.

Neat cabling and optimization

Optimized with multiple wiring configurations, you can reduce the number and lengths of cables, with:

- Horizontal busbars
- Direct connection between VDIS vertical distribution block and head of groups or groups of devices
- Wireless technology for energy monitoring connectivity

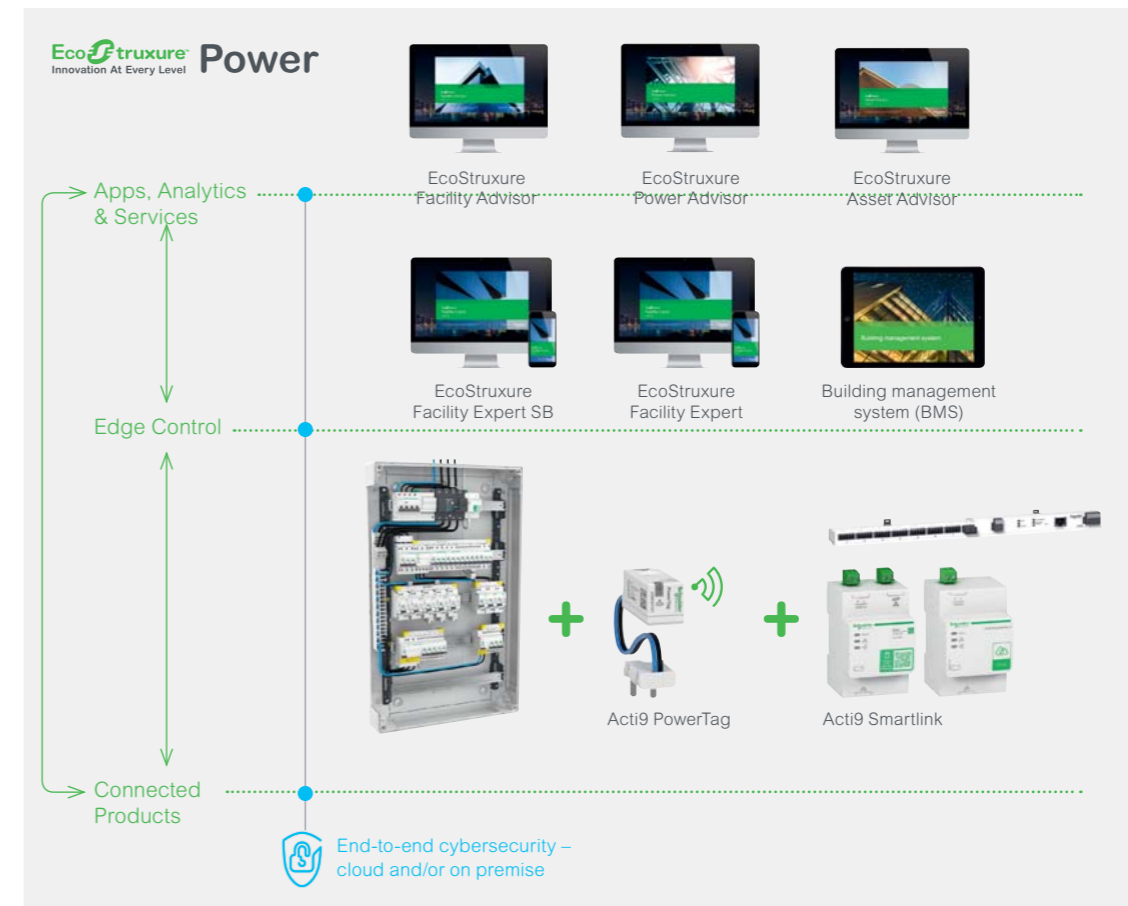### Clear layout and neat wiring

Precise matching of the panel's layout with the electrical diagram simplifies:

- Readability of the cabling
- Wiring control and verification
- Circuit marking and identification
- On-site operations

VISIBILITY

The new Acti9 iC40 system lets you reimagine CONNECTIVITY

CONNECTIVITY

EcoStruxure™ Power
Innovation At Every Level

EcoStruxure Facility Advisor	EcoStruxure Power Advisor	EcoStruxure Asset Advisor

Apps, Analytics & Services

EcoStruxure Facility Expert SB	EcoStruxure Facility Expert	Building management system (BMS)

Edge Control

Acti9 PowerTag   Acti9 Smartlink

Connected Products

End-to-end cybersecurity – cloud and/or on premise

A simple yet fully connected system

The Acti9 iC40 system and PowerTag allow your customers to monitor and control all their loads, regardless of building size.

PowerTag wireless and compact energy sensor makes upgrades in existing panels easy.

When connected to EcoStruxure™ Facility Expert or EcoStruxure Facility Advisor software applications, the Acti9 iC40 system keeps your customers one step ahead.

The new Acti9 iC40 system offers your customers more, with:

- Comprehensive all-in-one connectivity solutions
- Key data and remote analytics
- Real-time monitoring
- Smart alarm monitoring to perform maintenance operations at the required time, and to react in case of an issue.

For the Internet of Things era, EcoStruxure™ Power is the trusted and secure platform for developing safe, highly available, energy-efficient electrical distribution systems.
The Acti9 iC40 system is your EcoStruxure Power solution.

I design

With the Acti9 iC40 system,
I can design a final electrical
distribution panel fully
integrated in Schneider Electric's
global system.

I have access to all the product
information and technical
support I need.

I build

With the Acti9 iC40 system,
I build a final distribution panel
that precisely matches the
layout of the electrical diagram,
making installation, operation
and maintenance easy.

With Acti9 iC40 system
I save time and space.

I maintain

With the Acti9 iC40 system,
I operate and upgrade final
distribution systems with ease.
Orderly cabling, visual fault
indicators, and smart alarming
make intervention safer and quicker.

I monitor energy consumption and
the state of critical loads in real
time..

I benefit

With the Acti9 iC40 system,
I manage my building and/or
business in total serenity, both
on-site and remotely. I oversee
growing energy needs and
assets with maximum efficiency.

An optimized Acti9 iC40
system and EcoStruxure apps,
analytics and services put me
in control.

An Inside Look
The New Acti9 iC40 System

1 VDIS 125 A Vertical Distribution Block

- Fast and simplified distribution thanks to direct access to head of groups and groups of devices
- Screwless connections with push-in technology
- Optimized installation in Pragma 24, Prisma G and Prisma Pack

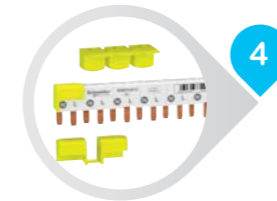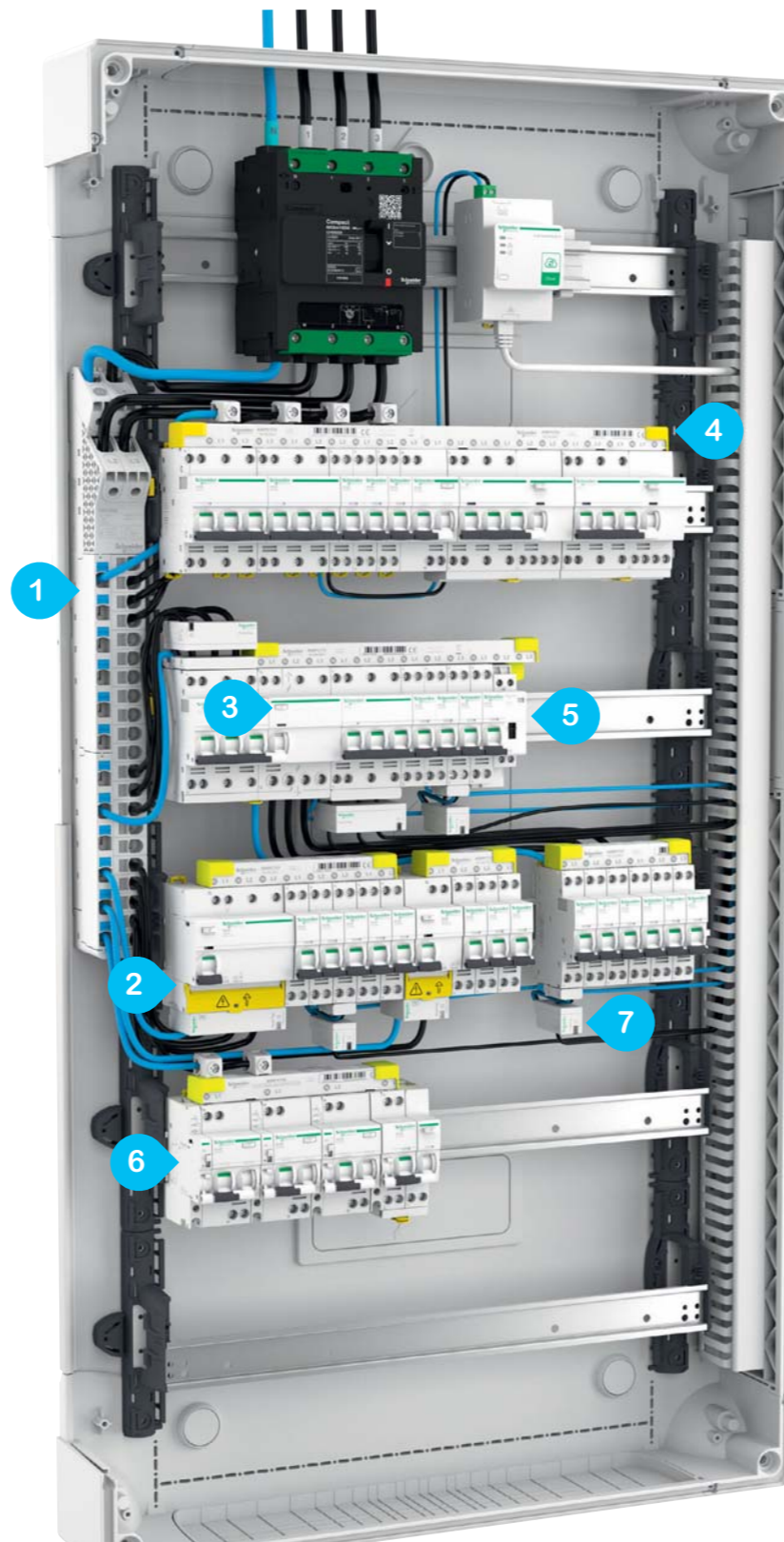**2** Residual Current Circuit Breaker Bottom Feed

- Direct connection with Acti9 iC40 system comb busbars from RCCB to outgoers
- Space-optimized as no additional module is required
- Yellow indication flap for easy bottom connection

3 Vigi Head of Group Double Output

- Top terminals for direct connection to outgoers with Acti9 iC40 system 3P+N horizontal busbars
- Bottom terminals for easy feeding of a second row or group of devices
- No additional module required

4 Optimized Comb Busbars up to 80 A

- Possibility to wire every type of device under the same comb busbar
- More compact and reliable than wire-to-wire cabling
- Cuttable and reusable busbars for an efficient installation

5 CT & TL with Pre-fabricated Connections

- Fast and secure pre-fabricated connections
- Compatible with any comb busbar
- Designed for both MCB and RCBO

6 iOF and iSD Signalling Contacts

- Full range of indication contacts perfectly compatible with Acti9 iC40 system comb busbars
- Ti24 top connector optimized for "connected" head of group devices
- Ti24 bottom connector optimized for "connected" outgoers

7 PowerTag Wireless Sensor and SmartLink Gateway

- The smallest energy sensor that enables monitoring of electrical assets
- Wireless connectivity for easy installation in both new and retrofit installations
- Seamless integration with EcoStruxure^w Facility Expert application

---

Visible protection

Clear identification

Neat front-facing laser markings that feature:
- product reference
- clear identification of phase and neutral on horizontal busbars

VisiTrip

Visible fault indicator for fast and optimized on-site servicing

VisiSafe

Visible green strip with reinforced insulation for maintenance in better safety conditions

Yellow marked safety features

Clearly indicates RCCB feeding side as well as protective accessories

System Overview

Miniature Circuit Breakers

Designation	iC40, iC40N, F, H
ICU (A) at 400V – IEC/EN 60898-1	4500, 6000
ICU (kA) at 415V – IEC/EN 60947-2	6, 10
Type	1P+N, 3P, 3P+N
Rating (A)	2 to 40
Curves	B, C, D
Standards	60898-1, IEC/EN 60947-2

Vigi add-on residual current devices

Designation	Vigi iC40 Outgoer, Vigi iCG40 Group Feeder
RCD Type	A, AC, ASi
Type	1P+N, 3P+N, 3P
Rating (A)	25, 40
Standards	61009-1
Sensitivity (mA)	30, 300, 300

Indicating Auxiliaries

Designation	Function
iOF	Open/close auxiliary contact
iSD	Fault indicating contact
iOF/SD+OF	Double open/close or fault indicating contact
iOF+SD24 Top	Double open/close or fault indicating contact with Ti24 Top connector
iOF+SD24 Bottom	Double open/close or fault indicating contact with Ti24 Bottom connector

Tripping Auxiliaries

Designation	Function
iMN	Undervoltage release, instantaneous
iMNs	Undervoltage release, delayed
iMNx	Undervoltage release, independent of the supply voltage
iMSU	Overvoltage release
iMX	Shunt release
iMX+OF	Shunt release with open/close auxiliary contact

Residual current circuit-breakers Bottom Connection

Designation	iID40
RCD type	ASi, A, AC
Type	1P+N, 3P+N
Rating (A)	25, 40, 63
Standards	IEC/EN 61008-1
Sensitivity (mA)	30, 300

Residual current devices RCBO

Designation	iCV40, N, H
RCD type	ASi, A, AC
Type	1P+N, 3P+N
ICU (A) at 400V – IEC/EN 60898-1	4500, 6000, 10000
Rating (A)	6 to 40
Curves	B, C
Standards	IEC/EN 61009-2-1
Sensitivity (mA)	10, 30, 300

Horizontal comb busbars Acti9 iC40, iCV40

Number of poles	Number of 18 mm modules
1P+N	12
	24
	48
3P+N	12
	24
	48

Horizontal comb busbars Acti9 iC40, iCV40 with 9 mm auxiliary

Number of poles	Number of 18 mm modules
Aux + N + 1P	48
3 (Aux + N + 1P)	
Aux + N + 1P + Vigi	
3 (Aux + N + 1P + Vigi)	

Control devices

Designation	CT40	iID40
	Contactors	Impulse relays
Type	2P	1P, 2P
Rating (A)	25	16
Compatible with comb busbars iC40	With prefabricated connections	

Signaling devices

Designation	iPB	iIL
	Push buttons	Indicator lights
Type	Single, double, single + indicator light	Single, double, flashing light, voltage presence
Rating (A)	20	-
Compatible with comb busbars iC40	Compatible	

VDIS Vertical distribution blocks

Designation	VDIS
Rating (A)	125
Rated insulation voltage (Ue)	250/440 VAC
Number of outgoing feeders	33 holes - short version 66 holes - long version
Connection mode	Spring terminal with push-in technology
Standards	IEC/EN 60947-7-1

PowerTag

PowerTag A9 P63				
Type	1P+N		3P+N	
Mounting	Top	Bottom	Top	Bottom
Designed for	Acti9 iC40 and Acti9 iCV40			

PowerTag A9 M63		
Type	1P+N	3P+N
Mounting	Bottom	
Designed for	Acti9 iID40	

Contact Schneider Electric

To learn more about the new Acti9 iC40 system, speak with your Schneider Electric representative or visit www.schneider-electric.com

Life Is On | Schneider Electric