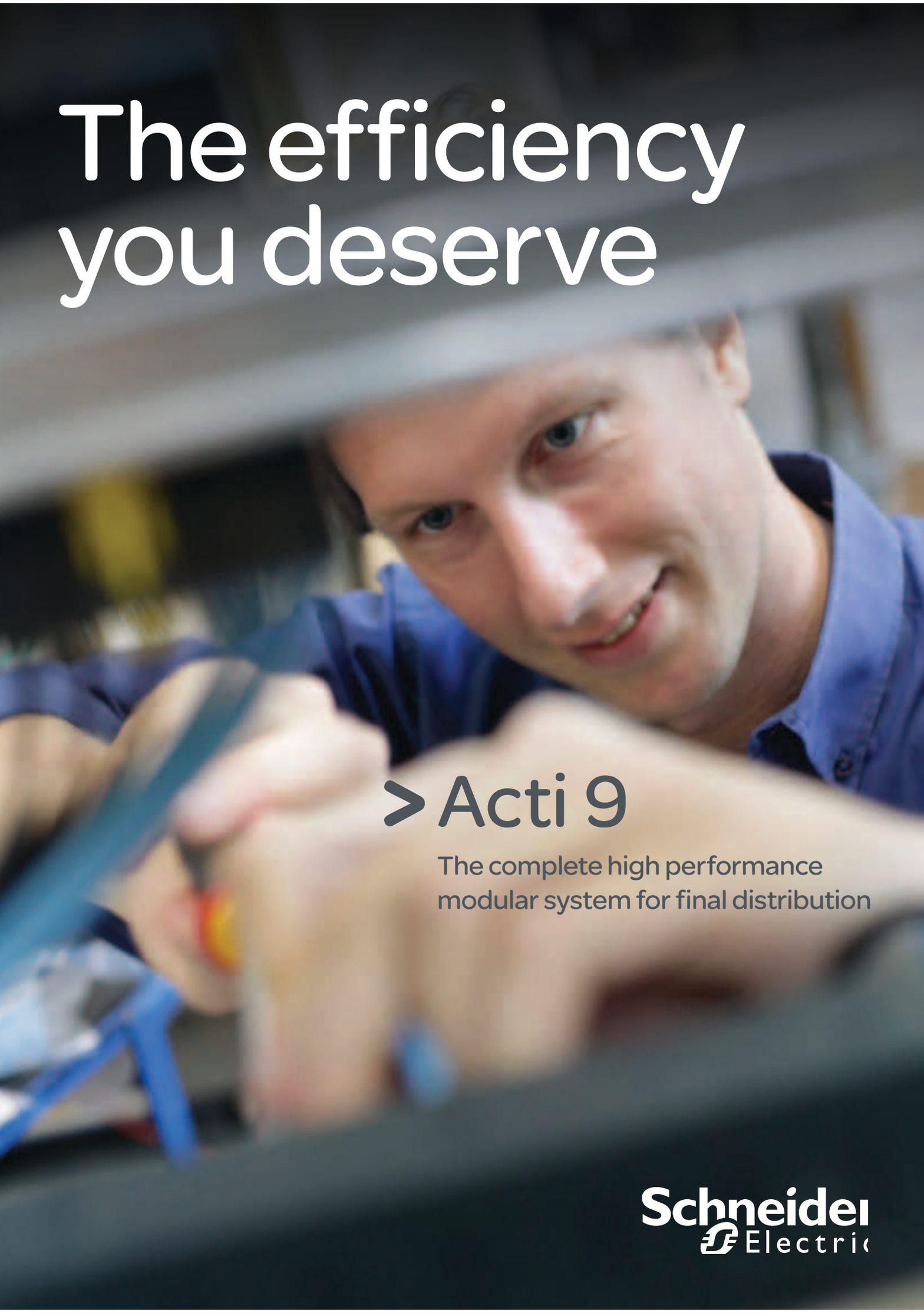
The efficiency you deserve



> Acti 9

The complete high performance modular system for final distribution

Schneider Electric

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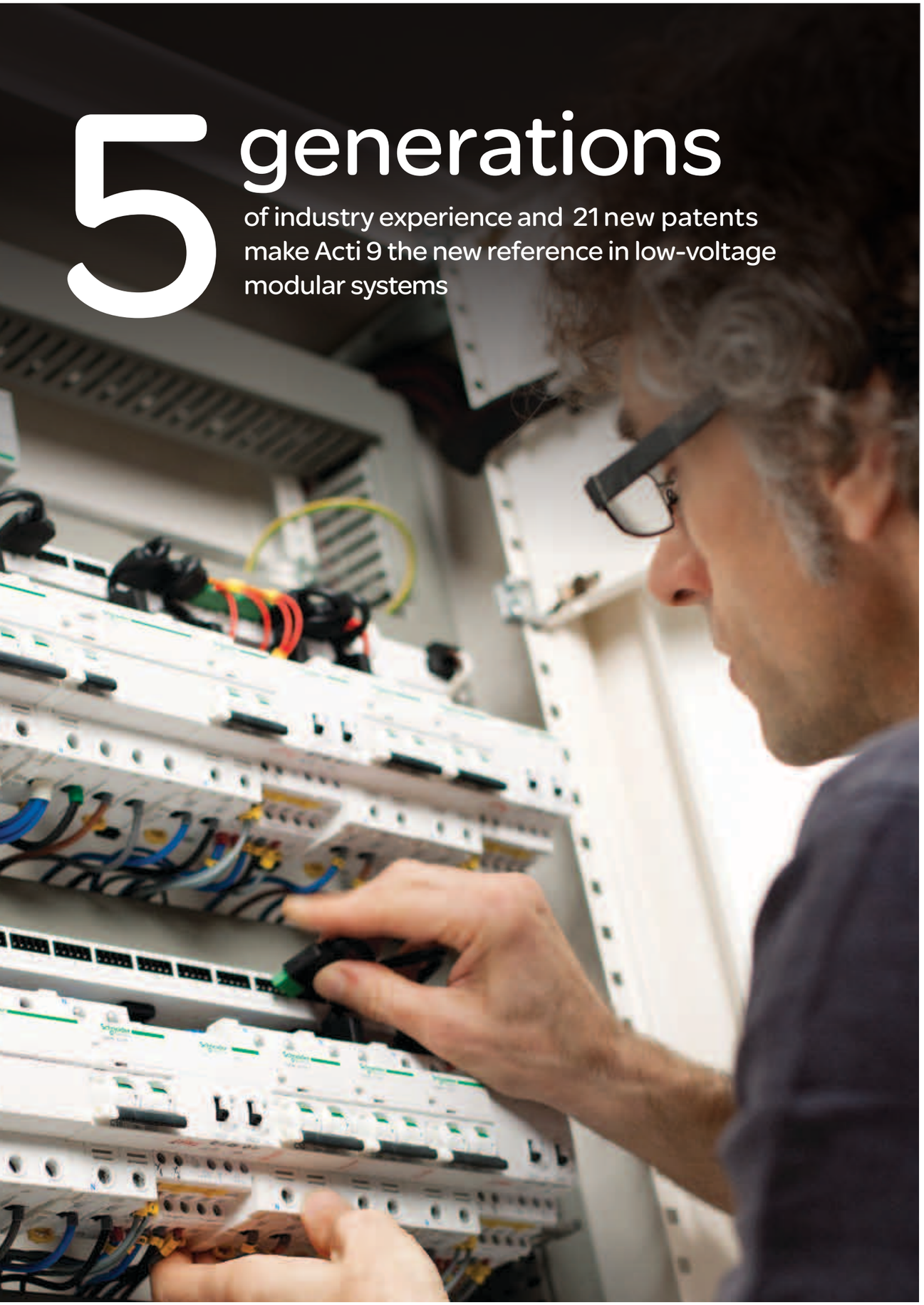
5 generations

of industry experience and 21 new patents make Acti 9 the new reference in low-voltage modular systems



> Acti 9

'In short, I optimize my own energy'

The new core modular system that makes your power distribution installation safer, simpler, and more efficient

We leveraged five generations of low-voltage expertise to design a precise, high-quality modular system without compromise. Acti 9™ offers the fastest and most flexible installation experience, and completely eliminates safety concerns during maintenance and operation. Engineered to adapt to the most challenging networks and environments while remaining cost-effective over time, it is the most flexible, coordinated, comprehensive, and innovative range of low-voltage modular devices available.

In addition to the core protecting offer, Acti 9 communication system uses Modbus protocol, provides real-time data from your panels and circuits. It allows load control and monitoring, and includes prefabricated wiring to give you instant, error-proof connectivity.

+

Acti 9 gives you safety, simplicity, and efficiency for the life span of your installation

>

High-quality modular system without compromise

*

Acti 9: The **fifth** generation of modular systems

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Acti 9

The safest, simplest, and most efficient system for power distribution solutions

Protection devices

> Miniature circuit breaker
> Residual current circuit breaker
> Vigi™ residual current devices
> Surge arrester

Protection monitoring and supervision

> Indication and tripping auxiliaries
> Remote control auxiliaries
> Automatic recloser auxiliaries

Control and monitoring

> Contactors
> Impulse relays
> Integrated control circuit breaker
> Light indicators
> Push-buttons and selector switches
> Kilowatt hour meters
> **Communicating architecture**

Installation system

> IP20B terminals
> Splitter block
> Full range of mounting and wiring accessories

Safer

VisiSafe and Class 2 give complete safety for the life of your installation

More efficient

VisiTrip, super immunization, and automatic reclosers increase continuity of service and enhance reliability

Simpler and smarter

Two certifications for one product, 100 per cent MCB and RCD coordination, and easy ordering and design

Monitor and adjust specific loads

Manage loads, reduce operating or project costs, and accurately plan maintenance

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Safe

Safest operation guaranteed even in the most demanding environments

'I have no worries about the safety of the electrical installation, the buildings, and everyone inside'

100%

safe for installers and users in the most severe environments

>

Best choice for industrial and tertiary buildings

Designed for safety, even in the most demanding environments

Safety matters most, and Acti 9 gives you, your customers, and their installations the highest level of protection available. It guarantees 100 per cent safe operation and maintenance for you and your customers. Its international certifications and numerous protection innovations mean Acti 9 exceeds even the most demanding requirements to give you total safety during maintenance, for the lifetime of your installation.

Comprehensive certification

CEBEC	VDE	GOST
AENOR	IMQ	CCC (China)
IRAM	NF	SABS

Delivers complete industry-approved protection

Acti 9 is fully tested, approved, and certified by national and international third parties. It guarantees that your installation is safe and compliant with all relevant safety standards, and demonstrates to your customers that you use industry-approved materials and best practices.

Guarantees total safety during maintenance

VisiSafe

VisiSafe™ guarantees the downstream circuit is always safe, regardless of overvoltage conditions, wear, or operator experience, even in the most demanding environments.

The green strip indicates the safe position of contacts. Unique safety features:

- Highest impulse voltage withstand: Uimp = 6 kV
- Guarantees longer equipment service life despite overvoltage conditions
- Highest pollution resistance among modular devices: Pollution Degree level 3
- A true 'all-terrain' product ideally suited for all environments
- Leading edge insulation voltage: 500 V
- Complete safety for operators maneuvering the operating handle

Guarantees long life service

Fast closing mechanism

Fast closure of all Acti 9 MCBs and RCCBs limits wear and reduces voltage drops, helping to prevent premature equipment aging and overheating.

Provides zero-risk lockdown

Integrated padlocking

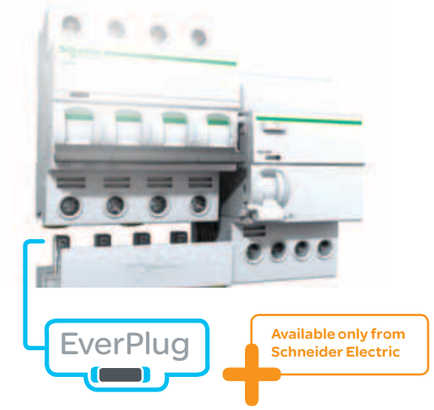
The integrated padlock guarantees protection and safety of Acti 9 remote control devices, preventing toggle movement and inadvertent or unauthorized access.

Promises absolute protection against electric shocks

Class 2 front face

Acti 9 circuit breaker is the only device available with this level of safety. Clearances between breaker surfaces and internal parts are more than double the industry standard. It guarantees risk-free handling during the life of the installation, regardless of environment or operator experience.

Ensures error-free linkages



QuickVigi

Patented EverPlug™ technology offers permanent 2 kilogram contact force for safe, screwless, one-click connections between MCB and add-on RCD modules.

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Efficient

The system that streamlines your operations workflow

'When I install Acti 9 I know I don't have to come back to the job'.

Designed to minimize downtime and avoid nuisance trips

With features like VisiTrip, super immunization of RCD's (SI) and ARA automatic recloser auxiliary, Acti 9 system allows easier building management, reduces downtime and makes your business more competitive limiting intervention costs on distant infrastructures sites.

Less downtime, more continuity of service

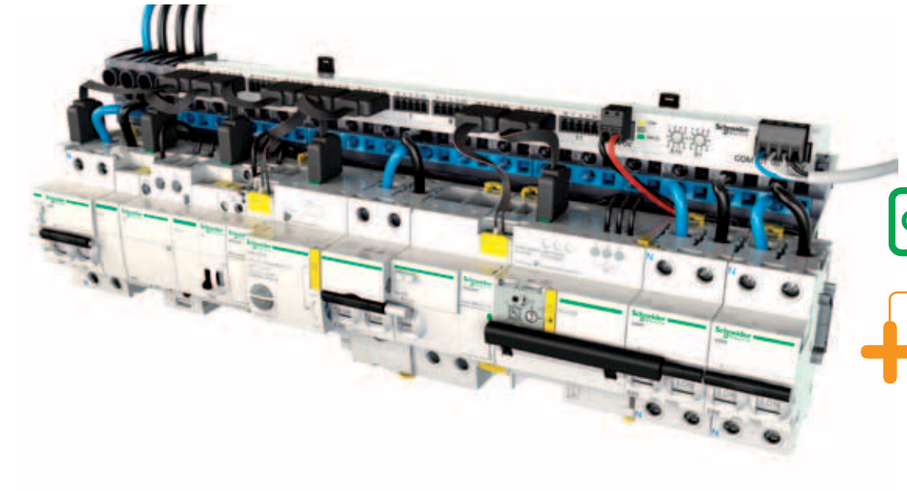
VisiTrip minimizes downtime and reduces repair times
Identify faults in one glance and you will easily see the operating status of your network. VisiTrip™ indicates only the faulty outgoer, allowing fast diagnosis, resolution, and reclosing loads for easier building management and reduced downtime.

Prevents unnecessary trips

Super immunization (SI) of the RCDs guarantees the highest continuity of service and electrical immunity, especially where switchgear contends with electromagnetic or chemical interference. It also meets the high continuity of service requirements in all critical power applications (hospitals, data centres, telecoms, and tunnels).

No need for on-site intervention

Acti 9 introduces a new automatic recloser auxiliary (ARA iC60) designed to limit the cost of intervention on faraway infrastructure sites. There's no need to have permanent on-site teams responding to transient faults, limiting distant site intervention costs.



Monitoring and control has never been so flexible and fast to implement

No need for complex communication wiring or in/out terminal blocks crowding the switchboard. Acti 9 Smartlink has one-click, prefabricated wiring for fast, easy communication between your distribution panel and any existing facility management system. One device, Acti 9 Smartlink, is enough to connect you to complete control, monitoring and metering capabilities.

Save time building panels

With Acti 9 Smartlink, panelbuilders can create attractive, error-proof panels with reduced control wiring and cabling. One manufacturer, one system: a fully compatible installation with more space in your switchboard.

Save time for maintenance

Schedule interventions, maintenance accurately
Using Acti 9 Smartlink, maintenance personnel can enjoy legible, easy-to-maintain control wiring. They can easily modify parameters, and confidently plan onsite maintenance times.

100%
preventative maintenance

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Simple and Smart

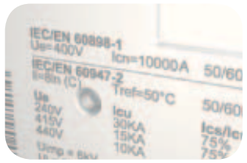
Simple to choose, easy to design, install and upgrade

The right solution for every application

Acti 9 simplifies final distribution operations in buildings and industrial facilities, giving you the right solution with the right technical characteristics for every application. As new installation standards emerge or building requirements are modified, Acti 9 can easily scale to meet your needs. It's a flexible, open system with all-in-one, integrated components that can communicate with any building management system.

Easy to design and choose

Meets two certifications



Acti 9 miniature circuit breakers comply with IEC/EN 947 (industrial) and IEC/EN 898 (tertiary) standards – two certifications in one product – making it perfect for commercial and industrial applications.

30%

of switchboards are modified at design, cabling, or commissioning stages, increasing project start-up times

Supports intuitive ordering and design

Meaningful part numbers mean no mistakes and no doubts when ordering or designing. Get the product type, poles, and rating in one glance.

A9XXX225 = 2P, 25A

Guarantees 100 per cent coordination

100 per cent coordination between RCDs and MCBs means no more searching through technical guides or coordination tables. Plus, in the Reflex™ iC60 protection and control are a unique all-in-one concept fully covered by the manufacturer's warranty.

Reflex iC60: the all-in-one concept integrated control circuit breaker

Reflex iC60 combines the functions of an MCB and contactor. Designed to evolve and adapt with the dynamic requirements of tertiary and industrial lighting control applications, it easily communicates with PLCs and BMS systems without the need for add-ons, retrofits, or extras.
Everything you need is included.

ComReady

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Simple and Smart

'Everything is simpler with Acti 9. Whatever the application, I have no second thoughts'

Easy to install

Allows heavy-duty, reliable tightening

Twice the terminal tightening torque for more robust connections.

Intuitive assembly

QuickVigi's EverPlug technology means a single click is all it takes to ensure fast, error-free linkages.

Up to 50 per cent less wiring

Reflex iC60 all-in-one concept means up to 50 per cent less wiring for reduced cabling and more efficient verification and connection.

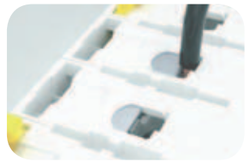
Lighting control solution with (left) and without (right) Reflex iC60 all-in-one concept.

Easy to operate

Provides greater readability

Its ergonomic interface allows specific color coding for padlocking devices. The N indicator is easily readable for speed of servicing. Acti 9 label maker gives your installation a professional appearance.

Safe and secure connections



Provides secure connections with quick, ergonomic, and safe IP20B terminals shutters.

Comes with tailored accessories

Acti 9 system includes a comprehensive list of accessories: easily installed padlock system, splitter block, rotary handle mount for switchboard doors, screw shields, sealable terminal shields, plug-in base, interpole barrier, and clip-on markers.

Easy to upgrade

Adapts to your installation

Double DIN rail locker allows circuit changeouts without removing the comb. It adapts to new requirements and simplifies switchboard evolution.

100%

coordination between MCB and actuator

15%

time saved on design and installation

Evolves with changing site requirements

Multiclip™ distribution system allows you to quickly add outgoers and balance phases. Multiclip offers screwless, safe connections.

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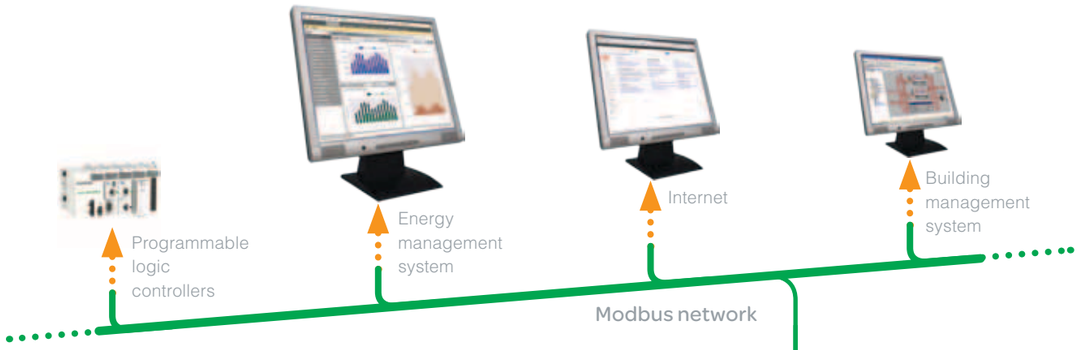
Acti 9 communication system

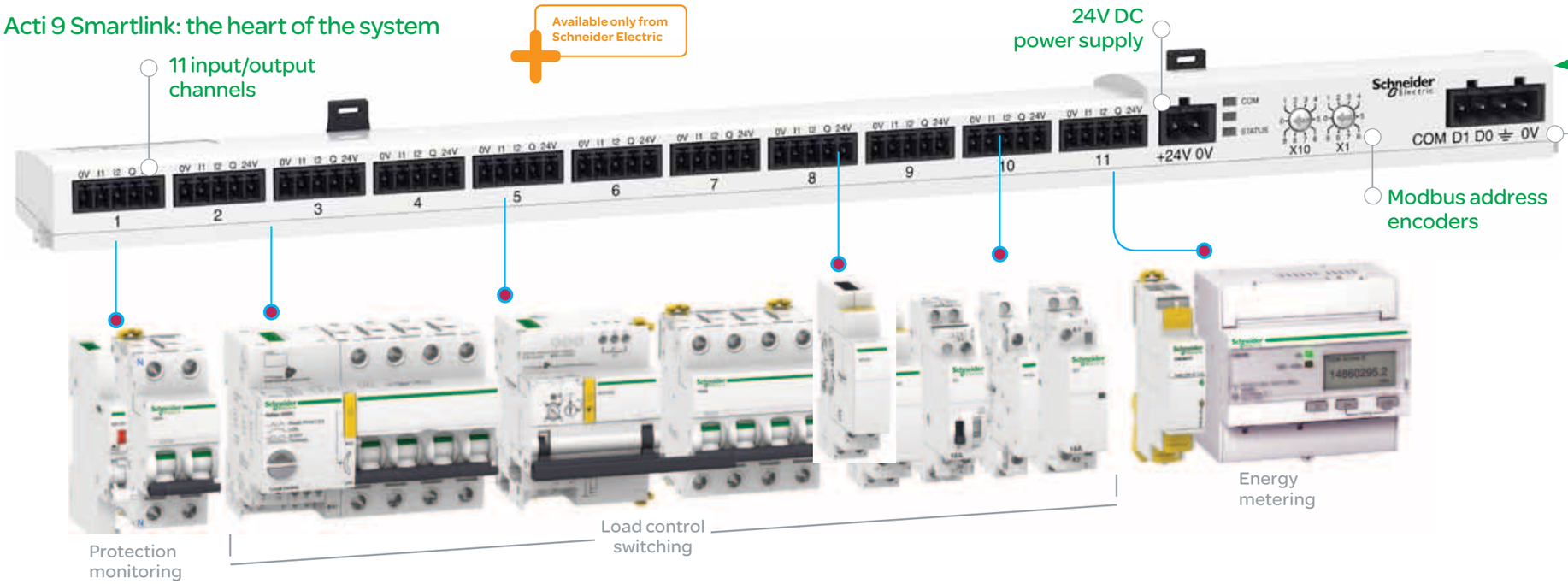
Ready to connect to any facility management solution

> Smart
- Centralize control, collect energy meter data with just a simple, ready-to-connect communication module.
- Large diversity of data available to universal Modbus protocol.

> Efficient
- One-click, prefabricated wiring for comprehensive communication between your distribution panel and any facility management system.

> Safe
- Reliable, error-proof manufacturer guaranteed connections.
- EMC tested for immunity, radiated and conducted safety.





Quick and easy control wiring enables complete control of your installation

Meets the challenge of all your applications

Interior and exterior lighting, load monitoring, and cost allocation

Monitor and adjust specific loads

Detailed load control, reduced downtime, and accurately planned maintenance

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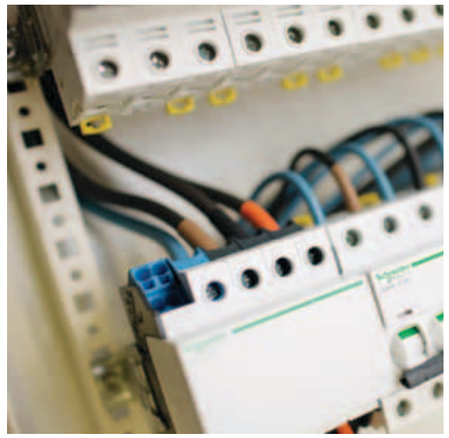
Attractive and environmentally friendly

‘You can tell it’s a high quality product when you hold it in your hands’



Acti 9 lets you touch and feel the difference

Advanced ergonomics and attention to detail

Acti 9 is designed to be noticed. We incorporated clean lines with distinctive, gently rounded shapes to give Acti 9 its faultless appearance. It immediately suggests well-designed and user friendly aesthetics and particular attention to detail. Clarity of identified circuits and elegant appearance will have your customers impressed with their outstanding installations.

High quality, subtle, and precise

Holding Acti 9 in your hand, you can feel the high quality. Contacts close quickly and precisely, with no hint of dubious noise. The solid fit of its components and its smooth surfaces mean you can feel the difference even before you use it.

A better use of energy, from start to finish

Acti 9 helps you meet developing energy efficiency and environmental certifications or requirements, now and in the future. It minimizes impact from the design stage, through the installation’s lifetime of use, and eventual recycling. Through both design and technology, Acti 9 provides you with the key combination of less impact and more efficiency that is necessary for the environment today.

100%

recyclable and recoverable materials, RoHS compliant, and REACH

Acti 9 is your safe, efficient, and simple choice for low-voltage modular systems

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Technical characteristics

Circuit breakers

	iC60 N, H, L, LMA	iK60 N
ICU (A) at 400V - IEC/EN 60898-1	6000, 10000, 15000	6000
ICU (kA) at 415V - IEC/EN 60947-2	10, 15, 20, 25, 50, 70, 100	
Type	1P, 1P+N, 2P, 3P, 4P	1P, 1P+N, 2P, 3P, 4P
Rating (A)	0,5 to 63	1 to 63
Curves	B, C, D	B, C
Standards	IEC/EN 60947-2, 60898-1	IEC/EN 60898-1

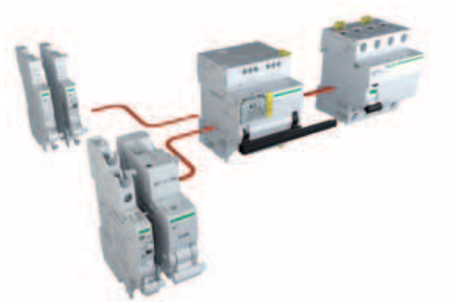
Residual current devices

	Vigi iC60	iDPN Vigi
RCD Type	AC, A, SI	AC, A, SI
Type	2P, 3P, 4P	1P + N
Rating (A)	25, 40, 63	4 to 40
Standards	IEC/EN 61009-1	IEC/EN 61009-1
Sensitivity (mA)	10, 30, 100, 300, 300 S, 500, 500 S, 1000 S	10, 30, 100, 300
Connection between iC60 and iC60 Vigi	'Quick connection' up to 40A	

Residual current circuit breakers

	iID	iIDK
RCD Type	Asi, A, AC, B	AC
Type	2P, 4P	2P, 4P
Rating (A)	16 to 125	25, 40, 63
Standards	IEC/EN 61008-1	IEC/EN 61008-1
Sensitivity (mA)	10, 30, 100, 300, 300 S, 500, 500 S	30, 300

Electrical auxiliaries and mounting accessories



Combined iOF, iSD, iMN, iMX, and iMSU electrical auxiliaries between iC60 circuit breakers and iID residual current circuit breakers, automatic recloser (ARA), and remote control auxiliaries (RCA)

Terminal shields, interpole barrier, screw shields, plug-in base, padlocking device, clip-on terminal markers, and rotary handle

Surge arresters type 2 or 3

	iPF, iPRD
Type	1P, 1P+N, 2P, 3P, 3P+N, 4P
I max (kA)	8, 20, 40, 65
Standards	IEC 61643-1, IEC 61643-11
Degree of protection	IP20/IP40

Integrated remote control MCBs

	Reflex iC60N, iC60H
Curves	B, C, D
Type	2P, 3P, 4P
Rating (A)	10, 16, 25, 40
Standards	IEC 60947-2
Electrical endurance	30 000 cycles (AC1) 6,000 cycles (AC5 a/b) 50 000 cycles (AC21)

Control

	iCT	iTL	iPB	iSSW	iIL	iEN, iME
Function	Contactors	Impulse Relays	Push-buttons	Switches	Indicator Lights	Kilowatt hour meters
Type	1P, 2P 3P, 4P	1P, 2P, 3P, 4P	single double single + indicator light	1P, 2P, 3P, 4P	single double flashing light voltage presence	single phase three phases three phases neutral
Rating (A)	16, 25, 40, 63,100	16 and 32	20	20 to 125		40 to 6000

Lighting, time and energy management

MIN	IH, IHP, ITM	IC	TH, THP	CDS	STD, SCU
Silent electronic and electromechanical timers	Programmable and mechanical time switches	Standard and programmable twilight switches	Standard and weekly programmable thermostats	Single and three-phase load-shedders	Dimmers

Installation and wiring

	Multiclip™ splitter block	Acti 9 Smartlink	Distribloc™ splitter block
Rating (A)	80	--	63
Degree of protection	IP20	IP20	IP20

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